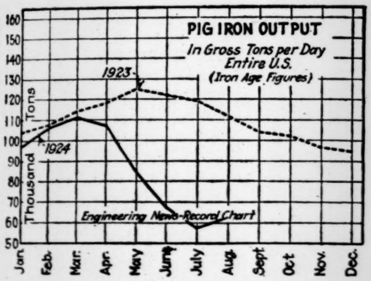
CONSTRUCTION NEWS

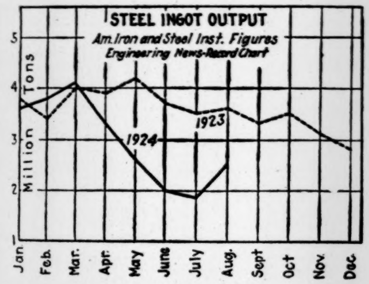
Engineering News-Record, September 25, 1924

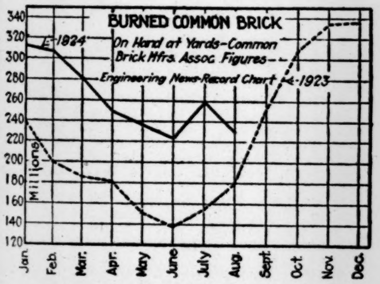
The Construction Barometer

Recovery in Production as Well as Demand Indicated—Buyers Still Cautious—No Purchasing for Replenishment of Stocks—Reserves Not Large

PRODUCTION of basic materials, during the past eight weeks, has shown many indications of recovery from the mid-summer period of dullness. Cement reached the unprecedented monthly output of 15,128,000 bbl. during August. While lumber production is steadily gaining, it is still considerably below a year ago. The gain in unfilled steel tonnage, representing the first move in that direction since February, is indicative of improvement in the steel situation. The drop in number of burned brick on hand, however, is due more to the seasonal closing down of northern yards than to any falling off in demand. Buyers are cautious and are not purchasing for replenishment of stocks. Reserves are not large, however, despite the heavy production programs of 1923 and the first quarter of the current year.







Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Sept. 4	$16,650,000	$21,225,000	$37,875,000
Sept. 11	26,691,000	15,727,000	42,418,000
Sept. 18	18,270,000	17,463,000	35,733,000
3 Weeks	$61,611,000	$54,415,000	$116,026,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

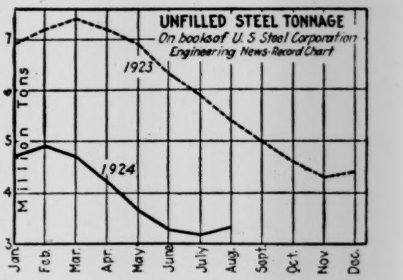
	Commercial					
	Public		Private		Industrial	
Week Ended	No.	Thousand	No.	Thousand	No.	Thousand
Sept. 4	8	$2,974	39	$18,488	30	$2,532
Sept. 11	14	5,378	32	10,831	27	3,076
Sept. 18	20	6,209	28	12,545	20	4,893
3 Weeks	42	$14,561	99	$41,864	77	$10,501

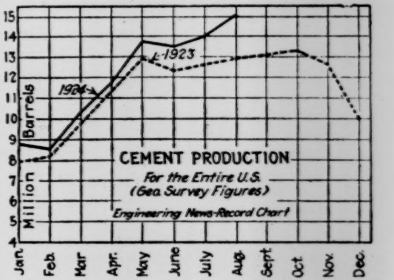
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

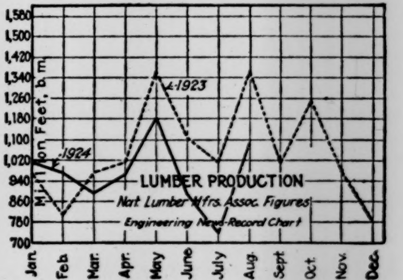
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Sept. 4	23	29	61	38	167
Sept. 11	25	39	56	33	179
Sept. 18	20	38	38	33	153

LUMBER FIRMER—WEAKNESS CONTINUES IN STEEL

	Quoted on Sept. 25 at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$1.90 @2.00	$1.90 @2.10	Sept. 18
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M.ft.	56.00	58.00	Sept. 11
Fir, San Fran., M.ft.	34.00	29.00	Sept. 18
Common labor, hr.	.56	.55	Apr. 24







PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Sept. 29	New York, N. Y.	Sept. 25
Sept. 29	Long Island City, N. Y.	Sept. 25
Sept. 29	Brooklyn, N. Y.	Sept. 25
Sept. 30	New York, N. Y.	Sept. 25
Sept. 30	Pinckneyville, Ill.	Sept. 18
Oct. 1	Greenville, O.	Sept. 4
Oct. 1	Thomasville, N. C. Adv. Sept. 11 to 25.	Sept. 11
Oct. 2	Massachusetts	Sept. 18
Oct. 3	Windsor, Ont.	Sept. 18
Oct. 3	La Salle, Ont.	Sept. 25
Oct. 6	New Athens, Ill.	Sept. 18
Oct. 7	Pikeville, Ky. Adv. Sept. 18 and 25.	Sept. 18
Oct. 8	Providence, R. I. Adv. Sept. 18 and 25.	Sept. 18
Oct. 13	Mobile, Ala. Adv. Sept. 18 and 25.	Sept. 18
Oct. 20	Cheneyville, La. Adv. Sept. 25.	Sept. 25
Oct. 21	Eufaula, Ala. Adv. Sept. 18 and 25.	Sept. 18

SEWERS

Bids Close		See Eng. News-Record
Sept. 29	Royal Oak, Mich.	Sept. 18
Sept. 30	Elizabethtown, Pa.	Sept. 11
Sept. 30	Ridgewood, N. J. Adv. Sept. 18 and 25.	Sept. 18
Sept. 30	Bastrop, La.	Sept. 25
Oct. 1	Brooklyn, N. Y.	Sept. 25
Oct. 1	St. George, N. Y.	Sept. 25
Oct. 2	Cleveland, O.	Sept. 25
Oct. 7	Water Valley, Miss.	Sept. 25
Oct. 7	Columbus, O.	Sept. 25

BRIDGES

Bids Close		See Eng. News-Record
Sept. 30	Massachusetts	Sept. 18
Sept. 30	Valley Junction (Hearne P. O.), Tex.	Sept. 18
Oct. 1	Merced, Calif.	Aug. 28
Oct. 2	Yonkers, N. Y. Adv. Sept. 11 to 25.	Sept. 11
Oct. 2	Virginia Adv Sept. 25.	Sept. 25
Oct. 6	New Jersey Adv. Sept. 18 and 25.	Sept. 18
Oct. 8	Long Branch, N. H. Adv. Sept. 18 and 25.	Sept. 18
Oct. 8	Alabama	Sept. 25
Oct. 9	Flemington, N. J. Adv. Sept. 18 and 25.	Sept. 18

DAMS

Bids Close		See Eng. News-Record
Sept. 29	Los Angeles, Calif. Adv. Sept. 4 to 25.	Sept. 4

RAILWAYS

Bids Close		See Eng. News-Record
Sept. 30	California Adv. Sept. 25.	Sept. 25

EXCAVATION, DRAINAGE IRRIGATION

Sept. 30	New York Adv. Sept. 18 and 25.	Sept. 18
Oct. 6	Cape Girdeau, Mo.	Sept. 25
Oct. 7	Lake Charles, La.	Aug. 21
Oct. 14	Massachusetts	Aug. 7
Oct. 20	Peru, Ind	Sept. 25

STREETS AND ROADS

Sept. 26	New Hampshire	Sept. 18
Sept. 28	Cape Girardeau, Wis.	Sept. 11
Sept. 29	Marshalltown, Ia.	Sept. 25
Sept. 29	Arkansas	Sept. 25
Sept. 29	New York, N. Y.	Sept. 25
Sept. 30	North Carolina	Sept. 11
Sept. 30	Pennsylvania Adv. Sept. 11 to 25.	Sept. 11
Sept. 30	St. Paul, Minn.	Sept. 25
Sept. 30	Cameron, Tex.	Sept. 18
Sept. 30	Garfield Heights (Cleveland P. O.), O.	Sept. 25
Oct. 1	Brooklyn, N. Y.	Sept. 25
Oct. 1	Arizona	Sept. 25
Oct. 1	Cleveland, O.	Sept. 25
Oct. 1	Rolling Fork, Miss.	Sept. 25
Oct. 2	Michigan	Sept. 25
Oct. 2	Virginia	Sept. 18
Oct. 2	San Antonio ,Tex.	Sept. 25
Oct. 3	Mt. Carroll, Ill. Adv. Sept. 25.	Sept. 25
Oct. 4	Sweetwater, Tex.	Sept. 25
Oct. 6	Greensburg, Pa	Sept. 18
Oct. 6	Valley City, N. D.	Sept. 25
Oct. 6	Hattiesburg, Miss.	Sept. 25
Oct. 7	Washington	Sept. 4
Oct. 7	Bay St. Louis, Miss.	Sept. 25
Oct. 7	Mayersville, Miss.	Sept. 25
Oct. 7	St. Paul, Minn.	Sept. 25
Oct. 7	Bartow, Fla.	Sept. 25
Oct. 7	Tampa, Fla.	Sept. 25
Oct. 8	Alabama	Sept. 25
Oct. 8	Brenham, Tex.	Sept. 25
Oct. 9	Napoleon, N. D.	Sept. 25
Oct. 10	Peekskill, N. Y. Adv. Sept. 25.	Sept. 25
Oct. 10	Palo Pinto, Tex.	Sept. 25
Oct. 10	Canadian, Tex.	Sept. 25
Oct. 13	Waco, Tex.	Sept. 18
Oct. 14	Pennsylvania	Sept. 25
Oct. 20	Austin, Minn.	Sept. 25
Oct. 29	Faribault, Minn.	Sept. 25

BUILDINGS—INDUSTRIAL

Oct. 1	Brooklyn, N. Y.	Sept. 25
Oct. 8	Rocky Mount, N. C. Adv. Sept. 18 and 25.	Sept. 18

BUILDINGS—COMMERCIAL

Sept. 27	Sandusky, O.	Sept 25
Sept. 27	Bridgeville, Pa.	Sept. 25
Sept. 29	Rutherford, N. J.	Sept. 25
Sept. 30	Millmont, Pa.	Sept. 11
Sept. 30	Lynn, Mass.	Sept. 18
Sept. 30	Cleveland, O.	Sept. 18
Oct. 1	Groton, Conn.	Aug. 28
Oct. 1	Birmingham, Ala.	Sept. 25
Oct. 1	Apponaug, R. I.	Sept. 25
Oct. 3	East Boston (Boston P. O.), Mass.	Sept. 25
Oct. 3	Seward, Neb.	Sept. 25
Oct. 4	Dallas, Tex.	Sept. 4
Oct. 7	Norwich, Conn.	Sept. 25
Oct. 8	North Tonawanda, N. Y.	Sept. 18
Oct. 8	Mobile, Ala.	Sept. 25
Oct. 8	Covina, Calif.	Sept. 25
Oct. 10	Minneapolis, Minn.	Sept. 25
Oct. 11	Groton, Conn.	Aug. 7

FEDERAL GOVERNMENT WORK

Sept. 26	Earthwork—St. Louis, Mo. Adv. Sept. 18 and 25.	Sept. 18
Sept. 29	Turbines, etc.—Wash., D. C.	Aug. 28
Sept. 29	Post Office—North Vernon, Ind.	Sept. 4
Sept. 30	Sand Filter—Rutland, Mass.	Sept. 11
Oct. 1	Water Discharge Loop—Pearl Harbor, H. T.	Aug. 14
Oct. 1	Widening Channel — Troy, N. Y.	Aug. 28
Oct. 1	Ward — Mare Island, Calif.	Sept. 11
Oct. 3	Dredging — Providence, R. I. Adv. Sept. 4 to 25.	Sept. 4
Oct. 6	Dredging — New York, N. Y. Adv. Sept. 11 to 25.	Sept. 11
Oct. 6	Building — Steubenville, O.	Sept. 11
Oct. 6	Road—Arkansas	Sept. 25
Oct. 7	Administration—Walla Walla, Wash.	Sept. 18
Oct. 7	Foundry — Palo Alto, Calif.	Sept. 18
Oct. 8	Dredging—Phila., Pa.	Sept. 18
Oct. 8	Building—Pittsburg, Tex.	Sept. 11
Oct. 9	Underground Passage—New York, N. Y. Adv. Sept. 25.	Sept. 25
Oct. 10	Post Office—Cherokee, Ia.	Sept. 18
Oct. 14	Roads and Walks—Knoxville, Ia.	Sept. 25
Oct. 15	Snag Boat—Montgomery, Ala. Adv. Sept. 4 to 25.	Sept. 4
Oct. 15	Sewer—Quantico, Va.	Sept. 25
Oct. 17	Dredging, etc.—Ohio Adv. Sept. 25.	Sept. 25
Oct. 18	Boiler House, etc.—Ft. Sill, Okla. Adv. Sept. 25.	Sept. 25
Oct. 20	Dam — American Falls, Idaho	Sept. 18
Oct. 21	Barges—Memphis, Tenn. Adv. Sept. 25.	Sept. 25
Oct. 21	Buildings — Rutland, Mass. Adv. Sept. 25.	Sept. 25
Oct. 22	Jetty Repairs—Galveston, Tex. Adv. Sept. 25.	Sept. 25
Oct. 22	Barges -- Memphis, Tenn. Adv. Sept. 25.	Sept. 25

UNCLASSIFIED

Sept. 26	Subway Repair—New York, N. Y.	Sept. 18
Sept. 30	Breakwater—Corpus Christi, Tex.	Sept. 11
Sept. 30	Pier, etc.—Mechanicsville, N. Y. Adv. Sept. 25.	Sept. 25
Oct. 2	Riprap—Hadley, Mass.	Sept. 25
Oct. 8	Heating System, Boiler, etc. —Willard, N. Y. Adv. Sept. 25.	Sept. 25
Oct. 20	Flood Control—Peru, Ind.	Sept. 18
Oct. 21	Subway—Phila., Pa. Adv. Sept. 18 and 25.	Sept. 18

MATERIAL AND EQUIPMENT

Sept. 29	Filler and Paving Blocks—New York, N. Y.	Sept. 25
Sept. 30	Riprap—New York, N. Y.	Sept. 25
Oct. 3	Rails, etc.—New York, N. Y.	Sept. 25
Oct. 15	Grader and Scarifier—San Antonio, Tex.	Sept. 25
Oct. 20	Insulators—Melbourne, Victoria, Australia	Aug. 14
Nov. 24	Cable, etc. — Melbourne, Australia Adv. Sept. 11 to 25.	Sept. 11
Dec. 1	Transformers, etc. — Melbourne, Australia Adv. Sept. 11 to 25.	Sept. 11

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Wallingford—Water Dept., plans furnishing residences and business buildings with water meters. $15,000. W. A. MacKenzie, engr. and mgr.

W. Va., Rivesville — Election Oct. 7, $50,000 bonds for waterworks system and mains. J. S. Freeman, recdr.

Ala., Mobile—Election Oct. 20, $250,000 bonds waterworks improvements. W. Smith, city engr.

Miss., Marks—Election Sept. 30, $35,000 bonds for waterworks and electric light plant equipment.

Tenn., Hohenwahl—Election soon $80,000 bonds for waterworks and hydro-electric plant. Engineer not selected.

Tenn., Knoxville—City Comrs. appropriated $62,800 for new mains and extensions, connections, etc. L. Brownlow, city mgr. Noted Apr. 1.

Ill., Nashville—Election Sept. 30, $35,000 bonds for waterworks, distribution and sanitary sewerage systems.

Ia., Larchwood—Election Oct. 7, $15,000 bonds for waterworks. W. F. Ashton, city clk.

Minn., Worthington—Plans 200,000 gal. steel tank 110 ft. high, 140 ft. over all. $15,000. W. H. Buchau, city clerk.

Mo., Higginsville—Voted $100,000 bonds waterworks and distribution system, and $19,000 bonds sanitary sewers, etc. E. T. Archer & Co., New England Bldg., Kansas City, engrs.

Okla., Chickasha—Election soon $200,000 bonds for new waterworks. Noted Jan. 10.

Okla., Morrison — Making surveys new waterworks. $25,000. H. G. Olmstead, 2230 West 18th St., Oklahoma City, engr.

Calif., Huntington Beach — Plans election $25,000 bonds, disposal of surface storm waters, and $25,000 bonds sewage disposal plant.

Calif., Littlerock — Littlerock Midland Irrigation Dist., making preliminary plans 6.5 mi. 40 in. pipe line, and 2 rock fill dams, one 172 ft. high 620 ft. long on top and 100 ft. long on bottom, and other 100 ft. high, 600 ft. long on top and 118 ft. long at bottom. H. Hawgood, H. W. Hellman Bldg., Los Angeles, engr.

Calif., Newport Beach — Plans election $500,000 bonds, extensions and additions to water works.

Calif., San Bernardino—Plans to purchase 7,500 lin.ft. 6 in. and 10,000 lin.ft. 4 in. c.i. pipe, 5,000 lin.ft. 2 in. merchant wrought steel screw pipe for waterworks.

Calif., San Fernando—J. H. Osborn, city clk., in the market for 7,500 ft. 6 in. and 7,500 ft. 4 in. c.i. pipe, 10,000 ft. 4 in., and 5,000 ft. wrought steel screw pipe.

Que., Lotbinere — Water Bd. plans improving old aqueduct and constructing new one. $20,000. Address A. Auger, secy.

Que., St. Benoit—Plans wood stave or c.i. aqueduct. $18,000. Address O. Lessard, St. Benoit.

BIDS DESIRED

N. Y., Brooklyn—Sept. 29, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Delamere, Elmore and Mansfield Places, Rockaway Parkway, Ave. P. Autumn, Throop, Ocean, Pitkin, Shepherd, 3rd and 7th Aves., Concord, 66th, 68th, 76th, 89th, 99th, East 5th, 7th, 37th, 55th, 98th, West 6th and West 7th Sts., here.

N. Y., Long Island City—Sept. 29, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Bertha and Winslow Places, Freeman, 4th, 18th, Ditmars, Woolsey, 26th and 33rd Aves., William, Dartmouth, Market, Nansen, Radcliff, Seabury, Sibley, Weimar, 18th, 21st, 153rd and 201st Sts., here.

N. Y., New York — Sept. 29, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Aqueduct Ave. E., Dickinson, Forster and Cannon Places, Godwin Terrace, Post Rd., Mosholu Parkway, Van Cortlandt Park, Davidson, Cambridge, Folin, Huxley, Kossuth, Liebig, Norman, Saxon, Sedgwick, Rochambeau, and Waldo Aves., East 180th, 182nd, 187th, 242nd, West 195th and West 215th Sts.

N. Y., New York — Sept. 30, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Sexton Pl., Bronx Park East, Adee, Arnow, Astor, Bouck, Barnes, Duryea, Ely, Fish, Gunther, Holland, Morgan, Nereid, Paulding, Seton, Tieman, Throop, Wallace, Waring, Wilson, Yates, East 222nd, 226th, 228th, 231st and 243rd Sts.

N. J., Jersey City—Sept. 23, by Bd. City Comrs., City Hall, furnishing c.i. pipe, special and standard castings. E. J. Holland, city clk.

Miss., Water Valley—See "Sewers."

La., Cheneyville—Oct. 20, by Mayor and Bd. Aldermen, 50,000 gal. concrete reservoir, elevated tank and tower, c.i. mains, hydrants, pumps, etc. F. P. Joseph, Glenmore, consult. engr.; adv. E. N.-R. Sept. 25.

Minn., St. Paul — Sept. 30, by H. W. Austin, city purch. agt., brick paving about 3 blocks Chicago Ave. from Robert to Wabasha Sts. $29,000. G. M. Shepard, city engr.

Calif., Reedley — Taking bids, 22,606 lin.ft. 6 in. and 206 lin.ft. c.i. mains forty-eight 12 in. gate valves, in connection with water system.

Ont., LaSalle—Oct. 3, by R. B. Braid, secy. Border Cities Utilities Comn., Heintzman Bldg., Windsor, 2,500 tons c.i. pipe. J. C. Keith, c/o owner, engr.

Ont., Toronto—East York Twp., Municipal Yard, Sammon Ave., son takes bids 15,500 lin.ft. 6 in. c.i. mains in Dawes Rd., Chapman, Westwood and Floyd Aves., McLean, Mortimer, Dewhurst and North Woodycrest Blvds. $35,000. G. R. Jack, twp. engr.

BIDS RECEIVED

N. Y., Buffalo—Pub. Wks. Dept., superstructure for 1 and 3 story, 250 x 250 ft., 50 x 192 ft., and 62 x 132 ft., rein.-con., brick and steel filtration plant, Contr. 17, from Felton Constr. Co., 1450 Michigan Ave., $359,841. Noted Sept. 4.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Chittenden Ave., West 146th St. and Dongan Pl., from Wataga Contg. Co., 308 Lenox Ave., $8,100. Noted Sept. 11.

Waterworks (Continued)

O., Cincinnati—Hamilton Co., Sept. 2, 26,710 ft. 4- to 12-in. c.i. mains in Water Supply Line 4, Dist. 1, Fairfax and Madison Heights, from M. J. Connelly, Sr., 325 West Oak St., Ludlow, Ky., $54,390 engrs. est. $69,482; 53,415 ft. 4- to 16-in. c.i. mains in Water Supply Line 2, Dist. 1, at Deer Park, from Crumley, Jones & Crumley, 2301 Concord St., $114,238, engrs. est. $136,253. Noted Aug. 21.

O., Cleveland—Cuyahoga Co., 33,000 ft. 6 to 12 in. c.i. mains in Impvt. 60, from Kassouff & Co., 3182 West 25th St., Cleveland, $105,879.

O., Shaker Heights (Cleveland, P. O.)—From Hanna & Michael Erie Bldg., Cleveland, mains in Tolland Rd. $6,150, Brantley Rd. $3,912, Claythorne Rd. $5,908, Townley Rd. $6,254.

CONTRACTS AWARDED

N. H., Keene — City, filtration plants, reservoir and mains from Stone Dam on Quarry Hill, to S. C. Sperry Co., Inc., 299 Main St., Cambridge, Mass. Engrs. est. $100,000.

Conn., Norwich — Raising height of Stony Brook Reservoir to L. Petrossi, 39 Woodbridge St., Hartford, $31,460. Engrs. est. $60,000. Noted Sept. 11.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 58th Rd., Talbot Pl., Marion, Remsen, Jupiter, Pulaki, Saultell, Stoutenburgh, Vincent, 21st, 8th and 213th Sts., to S. Gallucci, Railroad Ave., Corona, $16,600. Noted Sept. 18.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Burke, Bussing, Fenton, Fish, Harper, Hollers and Mace Sts., etc., to Paladino Contg. Co., 437 East 120th St., $23,458. Noted Sept. 18.

Pa., Phila. — Bureau Water, 216 City Hall, Contr. 719, to Martin & Breen, Inc., 1613 Sansom St., $8,355; Contr. 720, to C. J. Rainer Co., 518 Arch St., $3,450; Contr. 621, to Mitchell Bros., 2125 Race St., $11,380; Contr. 722, to J. J. White & Co., 716 Walnut St., $3,000; Contr. 723, to Keystone Electric Co., 823 Walnut St., $487. Noted Sept. 11.

Md., Baltimore—Mayor and City Council, galvanized w.i. pipe to Water Dept., to W. Stebbins & Sons Charles and Lombard Sts., $12,825; c.i. pipe and fittings, to Wayne Iron Wks., Commecial Trust Bldg., Phila., Pa., $8,818. Noted Sept. 25.

Va., Staunton — Waterworks extensions dam, 8,000 cu.yd. masonry, Contr. 1, and tunnel, 5,700 ft. 5 x 7 section, Contr. 2, to P. G. Ligon, 200 East Lexington St., Baltimore, Md.; 15 mi. 16 in. c.i. pipe, Contr. 3, to Pace Constr. Co., Roanoke. Total est. $700,000. Noted July 3.

O., Cleveland—Concrete intake, discharge line and stone breakwater, to Great Lakes Dredge & Dock Co., Williamson Bldg., $197,553.

O., Newark—City, 8 m.g. steam pump for Waterworks Dept., to Owens & Renschler, Hamilton, $48,000.

Ill., Centralia—Filter piping and equipment for plant of 4 units, each 750,000 gal. capacity, also Worthington pumps, to Roberts Filter Mfg. Co., 6th and Columbia Sts., Darby, Pa., $44,925 and $7,845 respectively; general construction work, to G. A. Tilman, Centralia, $66,635. Noted Aug. 14.

Ia., Cresco—Intermittent sand filter and other water works improvements, to H. T. Wilson, Mason City, $22,251.

Minn., Minneapolis—For 313 tons reinforcing, for Water Dept., to Cowin & Co., 940 East Hennepin Ave., $15,918; 300,000 ft. lumber, to Central Warehouse Lumber Co., 752 Vandalia St., St. Paul, $7,000, H. G. Foote Lumber Co., 2528 University Ave., S. E. $1,355, and to Thompson Lumber Co., 917 Washington Ave., S. E., $1,935.

Kan., Reserve—Distribution mains, tank on tower, 2 deep wells, 2 pumps, etc., to R. Hybskmann, Seneca, $12,133. Engrs. est. $16,000. Noted Sept. 4.

Tex., Timpson—Waterworks and sewer improvements, to J B. Winslett, 1001½ Main St., Dallas, $38,602; pump, to Briggs-Weaver Co., 307 North Market St., Dallas, $1,701.

Okla., Cushing—New impounding reservoir, earth dam, pipe lines, filter plant, 6,000 tons c.i. pipe, etc., to Benson & Farrar, 122 South 2nd St., Guthrie, $343,000. Engrs. est. $326,000. Noted Aug. 28.

Wash., Seattle—Bd. Pub. Wks., constructing Honey Creek diverting conduit, portion of Cedar River water system, to J. F. Shea & Co., 3506 Avalon Way, $54,894. Engrs. est. $65,000. Noted Sept. 4.

Calif., Vallejo—Gordan Valley dam in connection with municipal water project, to Kaiser Paving Co., First Bank of Savings Bldg., Oakland, $248,100.

Ont., Kenora — Furnishing 6 in. c.i. flanged water pipe, 6 in. c.i. bell and spigot pipe, and 6 in. flanged elbows, to Canada Iron Foundries, Ltd., Ft. William, $95, $65 and $12 per ton respectively; 6 in. flexible flanged joints, fire hydrants, and ¾ x 3 in. bolts to Francis-Hankin Co. Ltd., 386 King St. W., Toronto, $19.75, $93.50 and $6.50 respectively; 6 in. gate valves to Empire Waterworks Supply Co. Ltd., Winnipeg, Man., $22.50.

Ont., South Porcupine—Tisdale Twp., 3 mi. 6 in. c.i. mains, to Dominion Constr. Co., 14 Wellington St E., Toronto. Engrs. est. $80,000.

Sewers

PROPOSED WORK

Md., Baltimore—Plans election in November $10,000,000 bonds for storm and sanitary sewerage system.

Tenn., Chattanooga — See "Streets and Roads."

Tenn., Knoxville—City Comrs. appropriated $52,200 for new sewers. L. Brownlow, city mgr.

O., Alliance—Plans storm water sewers in downtown dist. $30,000.

Ill., Elgin—Having revised plans prepared 15,000 ft. sewers. Former bids rejected. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs. Noted Sept. 11.

Ill., Nashville—See "Waterworks."

Ia., Cedar Rapids — Plans sewage disposal plant. $450,000. L. J. Storey, city clk.

Minn., Chisholm—Plans sewage disposal plant. $30,000. G. Anderson, village engr.

Mo., Higginsville—See "Waterworks."

Tex., Caldwell—Voted $45,000 bonds new sewerage system. Noted Aug. 14.

Tex., Houston—City and property owners making plans and soon take bids storm sewer in Rice Blvd. from Cherokee Blvd. to Harris Gully. $30,000. J. O. McVea, city engr.

Ore., Reedsport—City Council takes bids about Oct. 15, new sewerage system. $35,000. D. L. Buckingham, Marshfield, engr.

Ont., Kitchener—Plans 4,000 ft. 42 and 48 in. rein.-con. sanitary trunk sewer. $30,000. S. Shupe, city engr.

Ont., Toronto—Making plans 14,000 ft. 8 in. vitr. tile with 10 ft. concrete sewer outlet, sewers in Harbor Blvd. Dr. $92,657. R. C. Harris, city engr.

BIDS DESIRED

N. Y., Brooklyn—Oct. 1, by E. Riegelmann, boro. pres., Boro Hall, sewers in Ave. P and 65th St.

N. Y., St. George — Oct. 1, by J. A. Lynch, pres. Richmond Boro., Boro Hall, sanitary sewers in 1st, 2nd, 3rd, 4th, 6th, 7th, 8th, 9th and 10th Sts.

Pa., Phila. — Sept. 25, by Dept. Pub. Wks., Bureau Surveys, Ithan St. sewer extension to City Ave., Government Ave. sewer extension to remove discharge from Back Channel east of Broad St., intercepting sewer along Pennypack Creek from Frankford Ave. to Welsh Rd.; heating equipment in connection with Outfall Pier Northeast Sewage Treatment Works, at Wheatsheaf Lane and Delaware River, Contr. 5; electrical equipment for same Contr. 3. G. H. Biles, dir. Pub. Wks.

Miss., Water Valley—Oct. 7, by Mayor and Bd. Aldermen, extending sewers and waterworks, 7,635 ft. 4- to 8-in. c.i. pipe, 200 house connections, 28 manholes, etc. M. L. Culley, Jackson, engr.

La., Bastrop—Sept. 30, by Mayor and Bd. Aldermen, sewage disposal works, Imhoff tank, sludge bed, and 46,000 ft. 8 in., 1,400 ft. 10 in., 1,400 ft. 12 in., 7,500 ft. 15 in., 2,200 ft. 18 in. and 800 ft. 24 in. vitr. pipe. O. F. Reiszner, Lecompte, engr.

O., Cleveland—Oct. 2, sewers in Beachland Park storm outlet, Benwood Ave., Brownwell Ct. S. E., Green Creek culvert, Ingersoll Rd., Muskoka Ave. N. E. and West 4th Sts., Kingsbury Run from East 79th to East 80th Sts., and Kingsbury Run at Gill Ave. S. E. R. Hoffman, City Hall, engr.

O., Columbus—Oct. 7, by W. H. Duffy, dir. Pub. Serv., laying 750 ft., sewer, etc., in Chittenden Ave., $2,016, 10,107 ft. 6 to 12 in. sewer, etc. in alley east Cleveland Ave., $21,861; 994 ft 8 in. vitr. and 36 ft. 8 in. c.i. sewer, etc. in Westwood Dr., $2,617; 5,495 ft. 8 in. sewer, etc. in Ryan Ave., 14,392; 1,440 ft. 6 to 18 in. sewer, etc. in alley west Lockbourne Ave., $2,768; 3,600 ft. 6 and 8 in. sewer, etc. in Olentangy Ave., $5,881; in Cleveland Ave. Storm Sewer Relief in Cordell Ave., Mock and Innis Rds., 15,042 ft. 12- to 30-in. pipe, etc. $34,312.

Minn., Austin—Sept. 30, by City Council, sewage disposal plant, Imhoff tanks and sprinkling filters, 1,300,000 gal. capacity sludge bed, short extension of main sewer, 150 lin.ft. 42 in. concrete 500 lin.ft. outlet, 24 in. vitr. sewer, resettling tanks, etc. $240,000. Former bids rejected. F. Bass, Southeast 5th St., Minneapolis, consult. engr.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in Anable Ave. from Kenndy & Smith, Inc., 93 Amity St., Flushing, $5,101; 11th Ave. and 169th St., from J. F. Clancy, Inc., 460 Lockwood St., Astoria, $3,177 and $4,162 respectively. Noted Sept. 18.

Md., Baltimore—Bd. of Awards, drains etc. near Baker and Dukeland Sts., Storm Water Contr. 73, from Continental Contg. Co., Knickerbocker Bldg.; $12,656; also in California Blvd., Brightwood, Hamilton, Latonia, and Gibbons Aves., Storm Water Contr. 76, from A. J. Boyle, Amer. Bldg., $61,478. Noted Sept. 11.

O., Cincinnati—Hamilton Co., Sept. 2, 29,775 ft. 6 and 8 in. vitr. clay pipe for Sewer 2, Dist. 1, Fairfax, Madison Heights and Homer Ave., from M. J. Connelly, Sr., 325 West Oak St., Ludlow, Ky., $47,255. Engrs. est. $74,709. Noted Aug. 21.

O., Cleveland—Cuyahoga Co., 44,000 ft. 8 to 48 in. sewers in Impvt. 70, from G. F. Randall, Lorain, concrete, $177,800; brick, $188,309; and segmental block, $180,096. R. F. McDowell, Court House, engr.

O., Shaker Heights (Cleveland P. O.)—From Hanna & Michael, Erie Bldg., Cleveland, sewers in Tolland Rd. $10,062, Brantley Rd. $8,460, Claythorne Rd. $12,700, Townley Rd. $11,372.

Tex., Waco — Sewage disposal plant, from B. Moore Constr. Co., Waco, $227,500. Noted July 3.

CONTRACTS AWARDED

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., sewers in Thierot Ave., to J. V. Timoney Constr. Co., 220 East 201st St., $5,194, White Plains Rd., to Spedero & Turriamo, 3185 East Tremont Ave., $5,045. Pelham Parkway N., and Astor Ave., to A. Gregorio & Co., 1119 8th Ave., $27,435 and $71,541 respectively. Noted Sept. 11.

O., Cleveland—Cuyahoga Co., 14,000 ft. 8- to 24-in. concrete sewer in Impvt. 58, Sewer Dist. 1, to D. Pfahl, Berea Rd, $41,958.

O., Cleveland—For 11,260 ft., 12 to 24 in. vitr. clay sewers in Milverton, Arrowhead and Cherokee Aves., to Kassauff & Co., 3182 West 25th St., $43,230.

Mo., Clinton—See "Streets and Roads."

Mo., St. Louis — Security Guarantor Realty Co., International Life Bldg., sanitary sewerage system in Russell Park subdivision to Riley Contract Co., Buder Bldg Engrs. est. $26,000.

Tex., Timpson—See "Waterworks."

Okla., Cushing—For 7 mi. outfall sewers, 2 disposal plants, 2 Imhoff tanks, etc., to Benson & Farrar, 122 South 2nd St., Guthrie, $106,000. Engrs. est. $98,000. Noted Sept. 4.

Okla., Oklahoma City—See "Streets and Roads."

Wyo., Casper — City Clerk, to C. R. Inman, Casper, concrete tile sewers in Dist. 16 $43,423, Dist. 19 $14,140, Dist. 20 $15,559, Dist. 21 $10,411, Sect. 1, Outfall Line $8,258, Sect. 2, Outfall Line $5,619.

Calif., Los Angeles—Sewers in Sects. 15 and 16 north outfall sewer, to T. Haverty Co., 8th and Maple Sts., $158,765 (city to furnish all materials).

Calif., Los Angeles — See "Streets and Roads."

Calif., Los Angeles—Bd. Pub. Wks., Boyle Heights Storm Drain 2, 8,423 ft., 8- to 21-in. cement, 5,254 ft., 22- to 33-in. rein.-con. and 8,141 ft., 12- to 65-in. concrete pipe, etc., to C. H. Johnston, 752½ North Engewood Pl., $199,295. Noted Sept. 4.

Waste Disposal

PROPOSED WORK

Calif., Long Beach—C. H. Windham, city mgr., rejected bids July 29, garbage incinerating plant. Noted July 10.

CONTRACTS AWARDED

Mass., Lawrence—City, incinerator plant, rear of City Home, Merrimack River, to De Carie Incinerator Co., 342 Madison Ave., New York City. Noted Sept. 11.

Bridges

PROPOSED WORK

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pt., Boston, making plans Arsenal St. Bridge one 150 ft. concrete span, 60 ft. roadway, over Charles River between Boston and Watertown. $175,000. J. R. Rablin, 1 Ashburton Pl., Boston, engr. Noted June 26.

Pa., Johnstown — Plans Central Ave. bridge, 500 ft. long, 50 ft. wide to connect

Bridges (Continued)

17th Ward and Ferndale Boro. $300,000. Cost to be borne by State Hy. Dept., Harrisburg, Baltimore & Ohio R.R. 2 Wall St., New York City, Johnstown & Stoneycreek Ry. Co., Johnstown, and Johnstown Traction Co. together with City and Cambria Co. Engineer not selected. J. W. Crotzer, city comr.

Md., Baltimore—See "Streets and Roads."

Miss., Vicksburg—Warren Co. making preliminary plans rein.-con. and steel bridge over Yazoo River. $350,000. Address County Engineer.

Texas—Reeves Co. (Pecos) and Ward Co. (Barstow) take bids after Oct. 1, 193 ft. steel truss and concrete girder bridge across Pecos River, on State Highway 1, $30,000. S. S. Posey, Pecos, engr. Noted July 24 under "Pecos."

Tex., Brownsville—Cameron Co., 90 City Hall, making plans rein.-con. and structural steel and concrete bridge across Arroyo Colorado River, south of Stewart Pl. W. O. Washington, Brownsville, engr.

Tex., Ft. Worth—See "Unclassified."

Tex., San Antonio—I. Ewig, engr. c/o City Hall, soon takes bids span rein.-con. and steel bridge across San Antonio River, on North Presa St., for city. $50,000.

Tex., Sweetwater—See "Streets and Roads."

Wash., Tacoma—Comrs. Pierce Co. making plan bascule steel bridge to span Hylebos Creek. $65,000. C. H. Votaw, co. engr.

Calif., Los Angeles—Made plans about 300 ft. rein.-con. bridge, 70 ft., over Los Angeles River on Los Feliz Blvd. $150,000 or more. J. L. Griffin, city engr.

Calif., Markhams — Sonoma Co. (Santa Rosa), plans bridge over Russian River, here. $125,000 or more. E. A. Peugh, co. surv.

Calif., Santa Barbara—Plans election $140,000 bonds for bridges, and $80,000 bonds for viaduct.

BIDS DESIRED

New Jersey — Oct. 6, by State Highway Comn., Broad St. Bank Bldg., Trenton, removing existing bridge and constructing concrete encased I-beam bridge over Menantico Creek, M. P. 13.2 Route 15, Sect. 5. Cumberland Co. A. L. Grover, secy.; adv. E. N.-R. Sept. 25. This corrects report in Sept. 18 issue.

Virginia—Oct. 2, by State Hy. Comn., Richmond, rein.-con. beam span bridge on Route 251, Project S-390, Arlington Co. C. S. Mullen, ch. engr.; adv. E. N.-R. Sept. 25.

Alabama—Oct. 8, by State Hy. Dept., Montgomery, bridge on Sects. and C, S-22, Perry Co., also bridge on Fayette-Winfield Rd., S-16-A, Fayette Co. W. S. Keller, highway comr.

Miss., Hattiesburg — See "Streets and Roads."

Texas—Sept. 30, by J. T. Kemp, judge Milam Co. (Cameron) 0.2208 mi. special type cantilever design steel bridge over Brazos River, on State Highway 43-A, Federal Aid Project 282, for Milam and Robertson Counties. $192,033 or alternate $215,300. A. F. Mitchell, Cameron, co. engr.

Tex., San Antonio—See "Streets and Roads."

New Mexico—See "Streets and Roads."

California—See "Streets and Roads."

Calif., Bakersfield—Directors Joint Hy. Dist. 2, Court House, taking bids, 4 wooden pile trestle bridges, on Cuyame Valley Highway. To exceed $25,000. Burch & Beck, Commercial Bank Bldg., San Luis Obispo, engrs.

BIDS RECEIVED

Ohio—See, "Streets and Roads."

Ohio—Dept. Highways & Pub. Wks., Columbus, Sept. 12, from Putnam & Sunday, Van Wert, bridge on Sect. "E" Urbana-Bellefontaine Rd., Champagne Co., $606, two concrete bridges on Sect. "E" Urbana-Bellefontaine Rd., Champagne Co., $1,971 and $10,789 respectively from Bahan & Chamberlain, North Lewisburg, concrete bridge on Sect. "F" Urbana-Bellefontaine Rd., Champagne Co., $904, from W. A. Yeagle, Clyde, concrete bridge and straightening channel and approaches on Sect. "G" Piqua-Urbana Rd., Champagne Co., $21,921, from F. Liles, Sandusky, concrete bridge on Sect. "Huron-Bridge" Cleveland-Sandusky Rd., Erie Co., $4,858; from Blair & Kelly, East Milton, sla bridge on Sect. "B" Piqua-Urbana Rd., Champagne Co., $680, and extending culverts on Sect. "G" same road $1,849; from L. Pickerington, Bellefontaine, concrete box culvert, Sect. "C2" Urbana-Troy Rd., Champagne Co. $1,141, steel beam bridge Sect. "C" Urbana-Troy Rd., Champagne Co., $4,486; from J. Reibel, Pomeroy, bridges on Sect. "N" Pomeroy-McArthur Rd., Meigs Co., $6,183; from E. P. Hinton, Chillicothe, bridge and approaches on 0.284 mi. Sect. "D-Bridge" Portsmouth-Columbus Rd., Pike Co., $12,459. Noted Sept. 11.

Tex., Center—See "Streets and Roads."

CONTRACTS AWARDED

Pa., Phila.—G. H. Biles, dir. Pub. Wks., 78 x 116 ft. steel encased bridge over Pennsylvania Ave. on Girard Ave., to Golder Constr. Co., 263 South 15th St., for City and Phila. & Reading R.R., Reading Terminal. $93,340. Noted Sept. 18.

Pa., Phila.—Delaware River Bridge Joint Comn., 806 Widener Bldg., approach between 4th and 5th Sts. and street changes for bridge over Delaware River, to Mazzola & Marano, 648 South 7th St., $401,239. Noted Sept. 11.

Maryland—See "Streets and Roads."

Alabama—State Hy. Dept., Montgomery, eight 1 span creosoted timber bridges and several culverts, Bullock Co., to E. Puttus, Montgomery, $32,857. Engrs. est. $33,000. Noted Aug. 31.

Ia., Newton—Jasper Co., 3 span, 20 x 90 ft. pony truss bridge, to Alexander & Higbie, 2733 6th St., Des Moines, $32,987. Noted Aug. 28.

Kan., Wichita—For rein.-con. deck girder bridge, 379 ft. between abutments, 40 ft. roadway, etc. over Arkansas River, at Seneca St., to Miller & Taylor, Box 346, Waterloo, Ala., $94,856. Noted Aug. 28.

Missouri — State Hy. Dept., Jefferson City, to V. C. Cossota, Oklahoma City, Okla., three 20 ft. rein.-con. slab spans, etc., over Butcher Creek, $4,190, three 25 ft. rein.-con. deck girder spans, etc., over drainage ditch, $6,354, three 18 ft. rein.-con. slab spans, etc., over stream, $4,718, two 60 ft. rein.-con. steel truss spans, etc., over Post Oak Creek, $19,949 (state to furnish material), five 20 ft. rein.-con. slab spans, etc., over overflow Post Oak Creek, $7,544, one 80 ft. steel truss and two 25 ft. I-beam spans, etc., over Blackwater River D. D., $14,314, all Johnson Co.; to S. J. Groves & Sons Co., Montreal and Cleveland Aves., Minneapolis, Minn., one 40 ft., two 25 ft. and one 30 ft. rein.-con. deck girders, etc., over Crooked River, $18,148, one 80 ft. steel truss span, etc., over branch of Fishing River, $13,050, both Ray Co., to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, eleven 20 ft. and two 10 ft. rein.-con. slab spans, etc., over overflow Big Drywood Creek, Vernon Co., $37,286; to M. E. Gillioz, Monett, two 10 ft. rein.-con. slab spans, etc., over stream, $3,824, one 60 ft. steel truss span, etc., over South River, $10,929, three 30 ft. rein.-con. deck girder spans, etc., over Bear Creek, $10,937, Marion Co.; to Public Works Constr. Co., Century Bldg., St. Louis, one 39 ft. I-beam span, etc., over drainage ditch, $3 736, one 90 ft. steel truss span, etc., over Ramsey Creek Diversion Channel, $23,607, both Scott Co., (state to furnish material); to Western Bridge Co., Harrisonville, seven 20 ft. rein.-con. slab spans, etc., over Possum Branch, $11,914, one 60 ft. steel truss span, etc., over Mound Creek, $13,045, both Bates Co.; to Novaculite Constr. Co., Marion, Ill., two 50 ft. I-beam spans, etc., over drainage ditch, Stoddard Co., $7,859; to C. P. O'Reilly, Wainwright Bldg., St. Louis, one 80 ft. steel truss, etc., over Honey Creek, $14,594, one 80 ft. steel truss span, etc., over Honey Creek D. D., $15,410, both Grundy Co.; to Pope Constr. Co., Jefferson City, three 30 ft. rein.-con. deck girder spans, etc., over Turkey Creek, Callaway Co., $7,148; to Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, one 75 ft. steel truss and five 40 ft. rein.-con. deck girder spans, etc., over Missouri, Kansas & Texas R.R. tracks, Callaway Co., $32,991; to P. J. Murphy, Moberly, three 45 ft. rein.-con. deck girder spans, etc., over Beaver Dam Creek, Audrain Co., $19,477; to Clinton Constr. Co., Clinton, eight 20 ft. rein.-con. slab spans, etc., over overflow Deep Water River, Henry Co., $12,364, (state to furnish material). Noted Sept. 18.

Okla., Oklahoma City—For Sects. A and B of North Canadian River Hood protection work at Exchange and Robinson Aves., incl. 150 ft. trestle extension to concrete arch bridge and riprap protection, also 210 ft. pile trestle bridge over river channel change, at Robinson Ave., 2 river channel changes embankment at Exchange Ave., etc., to A. A. Davis Co., Grain Exch. Bldg., $60,105.

California—J. G. Little, engr., 251 Kearney St., San Francisco, 3,587 ft. concrete span bridge, with 300 ft. lift span, 70 ft. high above water and 135 ft. high when opened over San Joaquin River between Antioch and Sherman Island, Contra Costa and San Joaquin Counties, for Amer. Toll Bridge Co., 525 Market St., San Francisco, concrete work and all work in connection with bridge except furnishing and erecting structural steel superstructure, to Duncan-son-Harrelson Co., Chronicle Bldg., San Francisco, $850,000; 2,100 tons structural steel, to Deyer Bros., 17th and Kansas Sts., and G. G. Iron Wks., 1541 Boward St., both San Francisco; furnishing crushed rock, to Blake Bros., Balboa Bdlg., and Daniel Contg. Co., 503 Market St., both San Francisco.

Dams

PROPOSED WORK

N. C., Chimney Rock—See "Unclassified."

Tex., Ft. Worth—See "Unclassified."

Railways

PROPOSED WORK

Massachusetts — Boston & Albany R.R., South Station, Boston, making plans relocating about 0.75 mi. roadbed in West Springfield. $100,000-$200,000. F. B. Freeman, ch. engr.

BIDS DESIRED

California—Sept. 30, by Merced Irrigation Dist., Barcroft Bldg., Merced, H. P. Seargent, secy., relocating Yosemite Valley R.R. from Merced Falls to Detwiler Schedule A 2,165 gross tons 70 lb. rails, 6,000 pairs angle bars to fit rails, 106,000 compression bottom tie plates, etc., Schedule C 1,685 ft. raw wood cross ties, etc. R. V. Meikle, ch. engr.

Excavation, Drainage, Irrigation

PROPOSED WORK

Mo., New Madrid — New Madrid Co. D. D. 38, had plans prepared 43 mi. enlargement existing ditches to provide additional drainage for 32,000 acres. $300,000. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs.

Texas—San Antonio Land & Irrigation Co., Frost Natl. Bank Bldg., San Antonio, plans election $2,000,000 bonds to irrigate 40,000 acres in Southern part Medina Co.

Tex., Dallas — Myers & Noyes, engrs., Dallas Co. Bank Bldg., soon takes bids 4 levees to impound 1,000 acres water in four lakes for Hollywood Country Club. $35,000.

Calif., Lockeford—N. H. Locke Co., Inc., plans irrigating 335 acres land, 2.5 mi. 24 in. concrete pipe line to convey water from Mokelumne River, 2 centrifugal pumps, etc.

Ont., Point Edward—Dept. Pub. Wks., Parliament Bldg., Ottawa, plans dredging harbor in connection with grain elevator, here. $93,000. K. M. Cameron, Hunter Bldg., ch. engr.

BIDS DESIRED

Miss., Clarksdale—Oct. 4, by Bd. Drainage Comrs. Coahoma Co., 10 mi. small ditches, 12,000 yd. excav., for Hopson Bayou D. D., Sub-Drainage Dist. 2. $120,000. Southern Eng. Co., Clarksdale, engrs.

Ind., Peru—Oct. 20, by G. R. York, secy. Peru Flood Control Dist., Cole Block, 127,924 cu.yd. earth, 304,049 cu.yd. ditch, 5,265 cu.yd. ditch rock and 53,000 cu.yd. river excav., also clearing 50 acres river bed. T. N. Jacob, Railway Exch. Bldg., St. Louis, Mo., engr. Noted July 24.

Mo., Cape Girardeau—Oct. 6, by Little River D. D. 6,362,000 cu.yd. earth excav., Contr. 37. Former bids rejected. L. L. Hidinger, Cape Girardeau, resident engr. Noted Sept. 4.

BIDS RECEIVED

Mo., Cape Girardeau—Little River D. D. hydraulic dredge excavation and refilling existing channel, Contr. 44, from Sternberg Drainage Co., St. Louis, $250,508. Noted Sept. 4.

CONTRACTS AWARDED

Massachusetts — Dept. Pub. Wks., Div. Highways & Pub. Lands, State House, Boston, dredging about 13,000 cu.yd. material from Ipswich River from Nabbys Point, to Averhills Wharf, to Bay State Dredging Co., 62 Condor St., East Boston, $0.86 soft deposit and $20 boulders. Noted Sept. 4.

Mass., Everett (Boston P. O.)—Mystic Iron Wks., 1 Federal St., Boston, dredging about 500,000 cu.yd. material for Blast Furnace Plant in Mystic River, here, t Gerrish Dredging Co., 101 Tremont St. Boston.

Neb., Valley—Elkhorn Valley D. D., c/ B. G. Safford, secy., 235,000 cu.yd. excav on about 40 mi. drainage work, to W. G Humphreys, 526 Security Bldg., Omaha $0.105. Engrs. est. $25,000.

Mo., Cape Girardeau—Little River D. D. enlarging existing channels, etc., to G. W Clarke Constr. Co., St. Louis, 6,512,10 cu.yd. excav. $601,719, 1,495, 300 cu.yd

Excavation, Drainage, Irrigation (Continued)

$138,210, 952,360 cu.yd. $87,998; to R. L. Igo, Indianola, Ia., 2,092,200 cu.yd. $221,570; to C. R. Cummins, Penton Bldg., Cleveland, O., 854,300 cu.yd. $99,810; to W. J. Gleason, Atkin, Minn., 27.5 mi. $47,000, 30 mi. $51,700; to Crumpecker & Adams, Morehouse, 27,160 cu.yd. and 15.6 mi. $29,448, 580 acres and 90,000 cu.yd. $59,600, 37 acres $2,200, 75 acres $4,500; to Jacobson & Mortenson Nevada, Ia., 206,360 cu.yd. $32,970; to A. V. Wills & Sons, Pontiac Bldg., St. Louis, 383,600 cu.yd. $76,640 to J. S. Burch, Madison, Wis., Caney Creek Dam, 100,000 cu.yd. semi-hydraulic fill, $98,120. Noted Sept. 4.

Tex., San Antonio—Will widen, dredge and straighten Olmos, San Pedro and Alazan Rivers, by day labor under supervision of City Eng. Dept. $800,000. I. Ewig, c/o City Hall, city engr.

Okla., Oklahoma City—See "Bridges."

Okla., Shawnee — Deer Creek D. D. 4, drainage and straightening 8 mi. Deer Creek Twp., 201,000 yd., excav. in Pottawatomie Co., to Mathews Constr. Co., Durant, $28,000. Engrs. est. $35,000.

Streets and Roads

PROPOSED WORK

Mass., Boston — Plans constructing Hazelton, Chelmsford, Alabama, Waldorf and Lorna Sts. To exceed $25,000. J. F. Sullivan, Street Laying Out Dept., secy.

Connecticut — State Highway Dept., Hartford, plans paving Queen St. from Waterting Tank to Danbury-Bridgeport State Rd., in Newton. $25,000. J. A. MacDonald, comr.

Conn., Bridgeport—Fairfield Co., plans paving about 3 mi. Boston Ave. from Central Ave. to Stratford line. To exceed $25,000. J. L. McElroy, City Hall, engr.

Conn., Fairfield—Fairfield Co., (Bridgeport) plans paving Penfield Reef Rd. and along Fairfield Beach, here. $25,000.

Md., Baltimore—Plans election in November $7,000,000 bonds for paving, bridges and elimination steam railroad grade crossings.

W. Va., Wayne—Wayne Co. election Oct. 11, $70,000 bonds improving Kanes Creek Rd. in Westmoreland Dist. H. O. Wites, Ceredo, engr.

N. C., Raleigh—Plans extensive sidewalk paving program. To exceed $25,000. C. C. Page, comr. Pub. Wks.

N. C., Wake Forest—Plans to issue $65,000 bonds improving streets and sidewalks. C. W. Timberlake, Wake Forest, town clk.

Tenn., Chattanooga—Bd. Pub. Wks. appropriated $125,000 for streets and sewers E. Bass, comr.

Tenn., Knoxville -- City Comrs. appropriated 183,000 for paving, and $50,000 for maintenance of paved streets. L. Brownlow, city mgr.

Ohio—Dept. Highways & Pub. Wks., Columbus, cancelled bids opened Sept. 12, grading, bridging and paving 11.107 mi. roads in Butler, Huron and Tuscarawas Counties; also two culverts in Champagne Co. Noted Sept. 11.

O., Akron—W. F. Peters, dir. Pub. Serv. takes bids in spring grading, curbing, laying sidewalks and vitr. brick paving, 2,070 sq.yd. Moore St., $25,000, 4,035 sq.yd. Avon St. $25,000. E. A. Kemmler, 300 Delaware Bldg., engr.

O., Canton—Plans widening and asphalt resurfacing Market Ave. N. from 6th to 9th Sts. $30,000-$25,000. W. E. Sarver, City Hall, engr.

O., Columbus — Making plans grading bridging, laying necessary water services and sewer connections and asphaltic concrete paving 3,000 ft. Northwest Blvd. from point 147 ft. south of 3rd Ave. to King Ave., 100 ft. $91,257. R. H. Simpson, city engr.

O., Lisbon — Columbiana Co., plans improving 2 mi. East Palestine-Negley Rd., 20 ft. $30,000. L. C. Kirk, Court House, engr.

Ill., Highland—Making preliminary plans grading and hardsurfacing 7,000 ft. various streets, 28 ft. $80,000. P. B. Wilson, 1st Natl. Bank Bldg., Marion, engr.

Wisconsin—State Hy. Comn., Madison, with Federal Aid plans constructing various projects in 1925 incl. grading, bridging, gravel or concrete surfacing roads in Dane, Sauk, Milwaukee, Fond Du Lac, Calumet, Manitowoc, Marinette, Winnebago, Adams, Green Lake, Wood, Jackson, Monroe, St. Croix, Pierce, Taylor, Clark, Lincoln, Oneida, Price, Ashland, Sawyer, Grant and Iowa Counties. Total $1,928,000. J. T. Donaghey, acting state highway engr.

Wis., Kenosha—Plans paving with various types, Steinbach Ct., Picknic Pl., Sheridan Rd., Warren, Sherman, Grand, Hamilton, Selma, 2nd, Fremont, 4th, Marion and South Lyman Aves., Herbert, Engel, Superior, Prairie, Charles, Greenwood, Grand and German Sts. R. M. Smith, City Hall, engr.

Ia., Hamburg—Plans resurfacing 1 mi. streets, probably asphaltic concrete. $26,000. F. S. Miller, city clk.

Ia., Marion—Plans paving, curbing and guttering 6 blocks streets. $25,000. E. E. Parsons, city clerk.

Ia., Waterloo—Plans grading and sheet asphalt, asphaltic concrete, bitulithic or vibrolithic concrete surfacing 12 blocks Lane Ave., West 6th, Grant, Maryland, Columbia Circle, Fletcher and Elston Sts., etc. R. B. Slippy, City Hall, engr.

Mo., St. Joseph — Making preliminary plans reconstructing, curbing, guttering and rein.-con. paving 10 blocks 11th, 3rd and Felix Sts. $57,100. W. K. Seitz, City Hall, engr.

Mo., St. Louis — Bd. Pub. Serv., City Hall, making preliminary plans Willite, Warrenite or sheet asphalt resurfacing, concrete curbing and guttering Grand Blvd. and Grand-Kingshighway $158,000-$165,000; Willite, Warrenite, asphalt or brick surfacing Nebraksa Ave., Willite, Warrenite, asphalt or brick resurfacing 4 blocks Nebraksa Ave., $11,500-$12,500; grading, with Willite, Warrenite, asphalt, brick or granite paving, granite curbing and concrete guttering Finney Ave. $22,000-$29,000, also Finney Ave. from Grand Blvd. to Pendleton St. $84,000-$112,400; grading and brick or granite paving Mississippi Ave. from Park to Chouteau Sts. $29,700-$44,100, and Mississippi Ave. from Lafayette to Park Sts. $21,000-$24,700; grading, curbing and concrete or brick paving Chrian Ave., $14,500-$17,500; grading and Warrenite, asphalt or Willite paving 9th St. from Branch St. to Hempstead Ave., $103,100-$105,900, 9th St. from Branch to Bremen Sts., $33,000-$42,700. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Illinois Power & Light Co., 232 South Clark St., Chicago, soon takes bids temporary wooden roadway block surface placed in center of McKinley Bridge, here. $100,000. Private plans.

Mo., Springfield—Soon takes bids grading, curbing and vitr. brick paving 8,700 sq.yd. Olive St. from Main to Jefferson Sts. $30,000. G. W. Cullen, city clk.

Tex., Bonham—Fannin Co., making plans grading and rein.-con. paving 1 mi. State Highway 6, 18 ft. $35,880. P. B. Price, co. engr.

Tex., Ft. Worth—See "Unclassified."

Tex., Floresville—Wilson Co. takes bids after Oct. 1, bituminous macadam paving 9.06 mi. Federal Aid Project 440-C, State Highway 81, 18 ft., $230,000; surfacing 12.12 mi. Federal Aid Project 440-A, State Highway 81, 18 ft., 8 in. gravel, 4 in. macadam and 1 in. bituminous topping, $223,000; 14.52 mi. Federal Aid Project 434-A, State Highway 16, 18 ft., bituminous macadam, bituminous concrete, or rein.-con., $400,000. F. E. Hess, Medical Arts Bldg., Dallas, engr. Noted Sept. 18.

Tex., Gainesville—Plans permanent paving East California St. between Burris St. and Pecan Creek. J. A. Thomas, mayor.

Tex., Henrietta—Clay Co. making plans grading and rein.-con. surfacing 20.9 mi. State Highway 50, 18 ft. $663,000. D. M. Puckett, co. engr.

Tex., Houston—J. C. McVea, city engr., soon takes bids paving Almeda Rd. and Blodgett Ave., for city. $31,000.

Tex., Sweetwater—Nolan Co. made plans and takes bids after Sept. 29, grading and bridging 15.22 mi. State Highway 1, 18 ft. $38,000. J. A. Focht, Sweetwater, engr.

Tex., Sweetwater—Nolan Co. plans surfacing 15.22 mi. road from Sweetwater to Mitchell Co. line 18 ft., bituminous on sledged and crushed stone. J. A. Focht, Sweetwater, engr. $370,000.

Tex., Vernon — Wilbarger Co. making plans grading and rein.-con. surfacing 12.09 mi. State Highway 5, 18 ft. $406,000. J. B. Nabors, co. engr.

Okla., Alva—Soon takes new bids 7 in. concrete paving 14,600 sq.yd. 4th and 7th Sts. Former bids rejected. F. E. Devlin, 318 Sedgewick Bldg., Wichita, Kan., engr.

Okla., Clinton — Plans grading curbing and asphalt paving 6,200 sq.yd. 4th, 5th and Terrace Sts. $35,000. B. M. Hart, City Hall, Oklahoma City, engr.

Okla., Grandfield—Plans grading and concrete paving 4,400 sq.yd. 3rd St. $25,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., McAlester—Pittsburg Co. making surveys completion hardsurfacing 13 mi. Postal and Jefferson highways, 145,000 sq.yd. concrete, 110,000 cu.yd. excav. $50,000. J. M. Page, highway engr.

Okla., Grandfield — Making preliminary plans grading and concrete surfacing Main St from 4th to 5th Sts., and 5th St. from Main St. to Bridge Blvd. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engr.

Okla., Oilton—Plans grading and paving 6 blocks various streets in Dist. 4, 6,900 sq.yd. concrete, 3,800 lin.ft. curbing, 2,300 cu.yd. excav. $31,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Perry — Noble Co. voted $40,000 bonds grading and graveling 95,000 sq.yd. road across 101 Ranch, in Buffalo Twp. J M. Page, Capitol Bldg., Oklahoma City, engr.

Ore., Portland—City Comn., takes bids about Nov. 10, widening 3 blocks Burnside St., at the west approach of Burnside bridge, 120 ft. $206,694, O. Laurgaard, City Hall, engr.

Calif., Glendale—Made plans improving San Gabriel Ave., etc., 148,416 sq.ft. grading, 84,900 sq.ft. asphaltic concrete pavement, 13,648 sq.ft. gutter, 17,882 sq.ft. walks, etc. A. J. Van Wie, city clk.

Calif., Lynwood—Made plans Penn and Grant Sts., etc., 54,540 sq.ft. 4 in. oil macadam, 138,500 sq.ft. grading 2,470 lin.ft. curb, 2,515 sq.ft. sidewalks, and 17,360 sq.ft. concrete gutter, 84,050 sq.ft. oiling. E. M. Lynch, Central Bldg., Los Angeles, engr.

Calif., Riverside—Made plans improving portions of Victoria and Dufferin Sts., etc., 1,203,859 sq.ft. macadam paving, 400,956 sq.ft. shoulders, 7,399 ft. 10 in. to 30 in. pipe. C. B. Burns, city clk.

Calif., Santa Rosa—Sonoma Co. plans constructing 10 mi. Santa Rosa-Russian River Highway, 18 ft. or more. $110,000. E. A. Peugh, co. surv.

Ontario — Dept. Provincial Lands & Forests, Northern Development Branch, Parliament Bldg., Ottawa, plans 4 mi. bituminous penetration macadam highway between Creighton Mines and Coppercliffe. C. H. Fullerton, ch. engr.

Ont., North Bay—Making plans bitulithic paving 1,200 ft. Cassells St., 30 ft. $9,000, 1,200 ft. Ferguson St., 45 ft. $15,000; concrete sidewalks on Regina St. $260, McLaren St. $2,950, King St. $1,000, Queen St. $1,400, 2nd Ave. $142. F. G. Mackie, town engr.

Ont., Toronto—East York Twp., Municipal Yard, Sammon Ave., plans grading and widening Dawes Rd. $22,000; concrete sidewalks on Donlands Ave. $1,250, Sutherland Ave. $2,450 and Lumsden Ave. $3,750, G. R. Jack, twp. engr.

Ont., Toronto—York Twp., 40 Jarvis St., plans asphalt paving 3,000 ft. Lanark Ave. from Oakwood to Blandford Aves., and 2,000 ft. concrete sidewalks on Lanark Ave. from Oakwood to Ossington Aves. $30,000. F. B. Goldike, twp. engr.

Ont., Toronto — Plans asphalt paving 43,000 sq.yd. Harbor Blvd. Dr., $236,500, 14,440 lin.ft. curb and gutter $16,560. R. C. Harris, city engr.

BIDS DESIRED

Conn., Naugatuck — Boro. taking bids permanent paving various streets. $25,000.

N. Y., Brooklyn—Oct. 1, by E. Riegelmann, boro. pres., Boro Hall, reconcreting openings in asphalt pavements in various streets.

N. Y., New York—Sept. 29, by J. Miller, pres. Manhattan Boro., Municipal Bldg., granite block paving West 3rd St. and West End Ave.; sheet asphalt paving East 11th St.

N. Y., Peekskill — Oct. 10, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, grading and improving State Parkway from State Camp Dock to Bear Mountain Bridge Approach Rd. at Roa Hook, here. J. Downer, ch. engr.; adv. E. N.-R. Sept. 25.

Pennsylvania — Oct. 14, by State Hy. Dept., Harrisburg, constructing 9 projects, totaling 22 mi. in eight counties. P. D. Wright, secy. highways; adv. E. N.-R. Sept. 25.

Fla., Arcadia—Oct. 6, by Bd. Comrs. De Soto Co., C. E. McRoe, chn., surfacing, Dist. 1, portion of Rd. 8, slag or rock on 6 in. rock, $29,040; Dist. 1 portion of Rds. 10 and 11 $33,832, Dist. 1, portions of Rd. 7 $31,660, Dist. 1, portions of Rds. 2, 3, 4, 5, and 6 $83,424, Dist. 1, Monroe-Grantham Rd. $44,323, Dist. 1, Rd. 1, $109,058, Dist. 2, Brownville and Peace Loop and Wakefield Rds. $25,960, Dist. 2, Ivey, Livingston Budd and French Rds., etc. $44,390, Dist. 3, Arcadia to Highlands Co. line Rd. $122,900, Dist. 3, Joshua Corner Rd. $50,812, Dist. 3, D. W. Brown Rd., etc., $48,503, Dist. 4, Nocatee-Joshua Corner Rd., $28,005, Dist. 4, Kabrich, Nocatee, Ft. Odgen and Nocatee-Peace Rds. $25,000, Dist. 4, Roe-Bragadine, and Nacatee-Hawthorn Rds. $31,209, Dist. 5, Martins Corner Rd. $35,160, Dist. 5, Tippens Cemetary, Hughes Corner, Morgan Youmans and M. E. Church Rds. $34,073, Dist. 5, Arcadia-Ft. Odgen Rd., etc. $52,041, Dist. 5, Ft. Ogden-Hull

Streets and Roads (Continued)

Rd. $39,041, all foregoing rock or slag on 6 in rock or clay. C. L. Cravens, Arcadia, engr. Noted April 24.

Fla., Bartow—Oct. 7, by Comrs. Polk Co., asphalt widening 18 mi. road, $250,000; reconstructing present grades and shallow clay surfaces with 2 in. asphalt on 6 or 8 in. rock, 38.5 mi. various roads 15 ft. $582,500. E. V. Camp and associates, Bartow engrs.

Fla., Tampa—Oct. 7, sheet asphalt sidewalks on various streets. $25,000. R. D. Martin, City Hall, engr.

Alabama—Oct. 8, by State Hy. Dept., Montgomery, improving 8.104 mi. Celera-Wilton-Montevallow Rd., S-14, Shelby Co., 2.804 mi. Andalusia-Covington Rd., S-31-B. Covington Co., 16.8 mi. Selma-Centerville Rd., S-22-B, Perry Co., 23.3 mi. Talladega-Piedmont Rd., S-36, Calhoun Co., 18.28 mi. Fayette-Winfield Rd., S-16-A, Fayette Co., and 16.8 mi. Selma-Centerville Rd., S-22-C, Perry Co. W. S. Keller, highway comr.

Miss., Bay St. Louis — Oct. 7, by Bd Supervs. Hancock Co. at office Chancery Clerk, improving 18.146 mi. Federal Aid Project 159-B and C, 116 acres clearing and grubbing, 743,546 cu.yd. excav., 294,782 cu.yd. borrow, 907 ft. 18 in. pipe, 36,600 lb. reinforcing, 42,581 cu.yd. gravel and binder 1 mi. haul, 29,163 units gravel and binder ½ mi. overhaul, 191,620 sq.yd mixing gravel and binder, 15 mi. Bermuda sod, and bridge over 20 ft. span, etc. H. C. Dietzer, Jackson, engr.

Miss., Calhoun City—Calhoun Co., taking bids grading, bridging and gravel surfacing 5 mi. Federal Aid Project 152-B. H. C. Deitzer, City Bldg., Jackson, engr. Noted Sept. 4.

Miss., Hattlesburg—Oct. 6, by Supervs. Forrest Co., c/o Chancery Clerk, improving 0.133 mi. Federal Aid Project 73-A, 34 cu.yd. excav., 1,766 cu.yd. borrow, 0.59 acres clearing and grubbing, 244 cu.yd. gravel 1 mi. haul, 159,701 lb. reinforcing, 19,900 ft. creosoted lumber, 150 ft. steel span bridge, 1,056 ft. piling, etc H. C. Dietzer, Jackson, engr

Miss., Mayersville — Oct. 9, by Bd. Supervs. Issaquena Co., c/o Chancery Clerk, improving 6.603 mi. Federal Aid Project 50-A, 170,914 cu.yd. borrow, 109,992 ft. creosoted timber, 5,100 ft. untreated timber, 5,760 ft. creosoted piling, 6.49 mi. Bermuda sod, 15,500 cu.yd. gravel 1 mi. haul, 9,540 units gravel ½ mi. overhaul, etc., also furnishing gravel f.o.b. points on Yazoo & Mississippi Valley R.R. H. C. Dietzer, Jackson, engr.

Miss., Rolling Fork — Oct. 1, by Bd. Supervs. Sharkey Co., c/o Chauncery Clerk, improving 9.848 mi. Federal Aid Project 50-B, Sect. 1, 1,997 cu.yd. excav., 222,825 cu.yd. borrow, 295 ft. 18 in. pipe, 13,277 lb. reinforcing, 9.32 mi. Bermuda sod, also bridge over 20 ft. span incl. 32,946 ft. creosoted timber, 1,020 ft. untreated timber, 2,160 ft. creosoted piling, etc. H. C. Dietzer, Jackson, engr.

Miss., Yazoo — Yazoo Co. taking bids improving 2.035 mi. Federal Aid Project 48, 4,778 cu.yd. gravel 1 mi. haul, 29,109 units gravel ½ mi. overhaul. H. C. Dietzer, Jackson, engr.

O., Cleveland—Oct. 1, paving Bessemer Ave. S. E., Woodward St. M. E., Division Ave., East 142nd and West 45th Sts. R. Hoffman, City Hall. engr.

O., Columbus—Oct. 7, by W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and paving with (a) brick, (b) asphalt (c) concrete, 3,626 ft. Park and Burgess Aves., 26 ft., (a) $64,935 (b) $50,348, 1,835 ft. Melrose and Longram Aves., 24 ft., (a) $30,726 (d) $25,215, 4,366 ft. alley north Stewart Ave., Ludlow, Green and Fulton Sts. (a) $37,856 (b) $31,409 (c) $28,765, 3,505 ft. allies, north Sycamore and Eastwood Aves., west 6th St., also 2nd alley north Main and West 9th Sts., 20 ft. (a) $24,846 (c) $22,123, 1,014 ft. alley north Mithoff St., 18 ft., (a) $3,951 (c) $3,519, 422 ft. alley west Wilson Ave., 21 ft. (a) $5,226 (c) $3,852, 368 ft. alley north Bryden Rd., 16 ft. (a) $2,435 (c) $2,175, 402 ft. alley west Mt. Pleasant Ave., 12 ft. (a) $1,841 (c) $1,610, 1,520 ft. alley north Woodruff Ave., 23.6 ft. (a) $14,182 (c) $12,537, 424 ft. 2nd alley north Granville St., 15 ft. (a) $2,807 (c) $2,474, 786 ft. alley north King Ave., 10 ft. (a) $3,122 (c) $2,757; widening 4,310 ft. Long St., 49 ft. (a) $14,399.

O., Garfield Heights (Cleveland P. O.) —Sept. 30, brick or asphalt paving East 135th St. and Dressler Rd. To exceed $25,000. R. D. Munz, Town Hall, engr.

Michigan—Oct. 2, by State Hy. Dept. at office Comrs. Baraga Co. L'Anse, 41,675 sq.yd. gravel, and 4.434 mi. State Trunk Line Rd. 28-9 B2, 41,523 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—Oct. 2, by State Hy. Dept. at Joyfield Twp. Hall, Benzie Co. (Beulah) grading and surfacing 4.046 mi. State Road 129, Sect. B, 42,723 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—Oct. 2, by State Hy. Dept. at office Comrs. St. Clair Co., Port Huron, grading and concrete surfacing 1.038 mi. State Trunk Line Rd. 27-22. G. C. Dillman, Lansing, ch. engr.

Ill., Mt. Carroll—Oct. 3, by Carroll Co. at office of S. C. Campbell, supt. highways, waterbound macadam surfacing 1 mi. road; adv. E. N.-R. Sept. 25.

Ia., Marshalltown—Sept. 29, by A. McMahon, city clk., improving various streets, about 12,200 sq.yd. 7 in. concrete paving, and 1,200 lin.ft. curb. $30,000. O. G. Herm, city engr. Noted Aug. 28.

Minnesota—Oct. 7, by State Hy. Dept., St. Paul, **(S. P. means State Project, F. A. P. means Federal Aid Project)**, improving 4.5 mi. Evansville-Co. line Rd., S. P. 3-41-B, F. A. P. 347, $40,000, 9 mi. Elbow Lake Rd., S. P. 3-42-A, F. A. P. 347, $47,000, 7.3 mi. Rochester-Byron Rd. S. P. 7-33-B, F. A. P. 290, $75,000, 20.4 mi. Benson-Kerkhoven Rd., S. P. 10-46, F. A. P. 313, $30,000, 13.5 mi. Brownson-Glencoe Rd., S. P. 12-26-1, F .A. P. 350-A, $90,000, 8.7 mi. Glencoe-Norwood Rd., S. P. 12-26-2, F. A. P. 350-B, $50,000, 10.3 m. Hutchinson Rd., S. P. 22-26-1, F. A. P. 338, $53,000, 12 mi. Erhard-Pelican Rapids Rd., S. P. 30-26, F. A. P. 354, also graveling 12 mi. same road, $25,000, 3.7 mi. Zumbro Falls Rd., S. P. 59-21-1, F. A. P. 357, $50,000, Bridges 4346 and 4351, both 90 ft., and Bridge 4353 60 ft., on Porter Canby Rd., S. P. 68-22, F. A. P. 308, $70,000. State Highway Dept., 1246 University Ave., St. Paul, engrs.

Minn., Faribault—Oct. 29, by Comrs. Rice Co., improving 4 mi. Job 2414, State Rd. 73, 58,863 cu.yd. earth, 531 cu.yd. loose and 238 cu.yd. solid rock excav., 42,668 cu.yd. overhaul, etc., $16,000; 9.82 mi. Job. 2415, State Aid Rds. 11 and 57, 118,179 cu.yd. earth, 1,854 cu.yd. loose and 773 cu.yd. solid rock excav., 76,415 cu.yd. overhaul, $28,000; 9.25 mi. Jobs 2418-19, State Aid Rds. 59 and 9, 106,430 cu.yd. earth, 5,204 cu.yd. loose and 6,018 cu.yd. solid rock excav., 74,614 cu.yd. overhaul one 35 ft. beam span. 25,002 lb. reinforcing, 29,344 lb. structural steel, etc., $32,000; 6.33 mi. Job 2420, State Aid Rd. 45, 32,777 cu.yd. earth, 1,061 cu.yd. loose and 476 cu.yd. solid rock excav., 38,792 cu.yd. overhaul, one 35 ft. beam span, 8,140 lb. reinforcing, 22,450 lb. structural steel, etc. $20,000. J. C. McElherne, Faribault, engr.

Minn., St. Paul—Sept. 30, by H. W. Austin, city purch. agt. brick paving 3 blocks Chicago Ave. from Robert to Wabash Sts. $29,000. G. M. Shepard, city engr.

N. D., Napoleon—Oct. 8 by Comrs. Logan Co., grading, etc., 8.193 mi. Federal Aid Project 207, 72,382 cu.yd. earth and 2,850 cu.yd. rock excav., 3,906 cu.yd. overhaul, 3,530 lin.ft. wire rope guard rail, etc. $25,000. C. Kaz, co. aud.

N. D., Valley City—Oct. 6, by Comrs. Barnes Co., graveling 13,431 mi. Federal Aid Project 12-D, 18,400 cu.yd. load, unload, spread and screen, 4,750 cu.yd. strip pits, 51,541 cu.yd. mi. haul, $25,000; 18.864 mi. Federal Aid Project 36, 25,596 cu.yd. load, unload, spread and screen, 164,286 cu.yd. mi. gravel haul, 5,500 cu.yd., strip pits, $30,000. C. W. Nelson, co. aud.

Arkansas—Sept. 29, by State Hy. Dept., Little Rock, improving 4.008 mi. Federal Aid Project 179-A, Poinsett Co., 2,175 cu. yd. excav., 7,640 ft. lumber for repairing bridges, etc.; and Federal Aid Project 180-A, Poinsett Co., 2 acres clearing and grubbing, 17,892 cu.yd. excav., 67,955 lb. structural steel, 11,733 ft. untreated timber, etc.; 2.613 mi. Federal Aid Project 191-A, Lee Co., 1.51 acres clearing and grubbing, 26,778 cu.yd. earth excav., 16,215 lb. reinforcing, 6,830 lb. structural steel, etc.; 4.053 mi. Federal Aid Project 192-A, Lee Co., 1 acre clearing and grubbing, 51,955 cu.yd. excav., 10,587 lb. reinforcing, etc. R. C. Limerick, highway engr.

Tex., Brenham—Oct. 8, by G. A. Bracher, engr., Washington Co. grading, etc. 19.15 mi. Brenham-Washington Rd., State Highway 20, 18 ft. $180,000.

Tex., Brenham—Oct. 8, by G. A. Bracher, engr., Brenham, to complete grading 13.9 mi. Federal Aid Project 358 and all grading 4.2 mi. State Highway 36, 18 ft., for Washington Co. $60,000.

Tex., Crockett—Houston Co. taking bids and opens same about Sept. 25, reshaping old roadbed, crushed stone base, asphaltic oil, waterbound macadam surfacing, etc., 6.9 mi. State Highway 21, 18 ft. $60,000. F. J. Von Zuben, Crockett, engr.

Tex., Muleshoe—Bailey Co., taking bids improving 6.42 mi. State Highway 7, 16 ft., 20,000 yd. borrow. 10,000 yd. day hauled, etc. $50,000. C. L. Hasie, Box 168 Memphis, engr.

Tex., Palo Pinto—Oct. 10, by E. L. Petts, judge Palo Pinto Co., 2 in. bituminous macadam surfacing, alternates on 2 in. limestone rock asphalt (hot mix) or 2 in. Amesite, 15.47 mi. State Highway 1 between Eagle Creek and Mineral Wells, Federal Aid Project 382, 18 ft., $187,140, 10.87 mi. State Highway 1 from Strawn to Metcalf Gap, Federal Aid Project 294-A. 18 ft., $126,200, 5.81 mi. State Highway 1, from point ½ mi. east of Eagle Creek to Metcalf Gap, Federal Aid Project 356, 18 ft., $67,540; 1 in. bituminous surfacing on base already completed 9.81 mi. State Highway 1 from Metcalf Gap to Stephens Co. line, Federal Aid Project 369, 16 ft., $35,646. G. W. Courter, co. engr.

Tex., San Antonio — Oct. 2, by A. C Pancoast, engr., c/o Courthouse, building old gravel base, 1 in. limestone rock asphalt surfacing and bridging 8.6 mi. Seguin Rd., State Highway 3, 18 ft., for Bexar Co $160,000.

Tex., Sweetwater—Oct. 4, by A. S Mauzey, Judge Nolan Co., grading, etc., 15.22 mi. State Highway 1, Federal Aid Project 444-B, 26 ft. $37,800. J. A. Focht co. engr.

Arizona—Oct. 1, by W. C. Lefebvre, state engr., c/o Navajo Co. Hy. Comn., Holbrook. surfacing 5,500 cu.yd. Winslow-Coconino Co. Line. Hy., Federal Aid Project 22. Noted June 12.

BIDS RECEIVED

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, Topeka surfacing, etc., 30,000 sq.yd. Revere Beach Dr. from Eliot Circle to Revere St., from Coleman Bros., Inc., 245 State St., Boston, $64,050.

Massachusetts—Dept. Pub. Wks., Div. Highways, State House, Boston, concrete paving and bridges in Palmer and Monson, from D'Onfro Bros., Leominster, $13,907; graveling, rein.-con. beam bridges and approaches in Brimfield, from C. B. Lindholm, Pittsfield, $78,118. Noted Sept. 11.

N. Y., Brooklyn—E. Riegelmann, boro pres. Boro Hall, asphalt paving Beverly Rd. from Cleveland Trinidad Co., Flushing, $13,395; asphalt repaving Clinton St. from Brooklyn Alcatraz Co., 407 Hamilton Ave. $15,103, Irving Ave. from Cranford Co., 52 9th St., $15,505, Putnam Ave. from Borough Asphalt Co., 1301 Metropolitan Ave., $17,748. Noted Sept. 11.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., grading, curbing and sidewalks on 4th Ave. from J. J. Rice, $2,108, 11th Ave. and Bway. from J. Conden, 341 Cornelia St., Brooklyn, $16,026 and $54,212 respectively; St. Nicholas Ave. from Carberry & Block, 45 South 9th St., Brooklyn, $17,924, Hobson Ave., from H. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, $33,283, Sheridan Blvd. from Nevaro Co., Inc., 97 Court St., Brooklyn, $266,035, 76th St., from F. Soverio, $11,811, Woodhaven Blvd., from A. A. Johnson Corp., Queens Blvd., $423,030, South Rd. from Kennedy & Smith, 93 Amity St., Flushing, $36,095; Mott Ave., from Rockaway Consolidated Trucking Corp., North Beach 73rd Rd., Bell Harbor, $4,510; asphalt paving Woodhaven Blvd. from W. P. McDonald Co., 17 West 42nd St., New York City, $123,730. Noted Sept. 18.

N. J., Jersey City—Hudson Co. repaving road between Tonnele Ave. and Secaucus, from Clinton Asphalt Co., 308 Charles St., West Hoboken, $175,367.

Ohio—Dept. Highways & Pub. Wks., Columbus, Sept. 12, grading, bridging and paving roads with (a) brick (b) state to furnish brick (c) bituminous macadam (d) tar macadam (e) rein.-con. (f) asphaltic macadam (g) waterbound macadam (h) State stone (i) Kentucky rock and rein.-con. (j) concrete and brick (k) macadam and concrete (l) rock asphalt (m) sandstone base (n) concrete (o) gravel and bituminous macadam, asphalt (p) rein.-con. and brick (q) bituminous concrete (r) bituminous asphalt (s) tar (t) waterbound sub-base, (1) 0.218 mi. Sect. "P-1" Mansfield-Ashland Rd. Ashland and Richland Counties (2) 0.087 mi. Sect. "P-1" Mansfield-Ashland Rd., Ashland and Richland Counties (3) 4.005 mi. Sect. "A" Carrollton-New Philadelphia Rd., Carroll Co. (4) 1.863 mi. Sect. "Q" Greenville-Union City Rd., Darke Co. (5) 4.937 mi. Sects. "A-1," "B" and "C" Sandusky-Norwalk Rd., Erie Co. (6) 2.002 mi. Sect. "A-1" Baltimore-Fostoria Rd., Hancock Co. (7) 2.44 mi. Sects. "B" and "Liberty" Liberty-Afrian Rds., Henry Co. (8) 0.136 mi. Sect. "Greenfield West" Cincinnati-Chillicothe Rd., Highland Co. (9) 0.072 mi. Sect. "Greenfield" Greenfield-Hillsboro Rd., Highland Co. (10) 3.959 mi. Sect. "H" Ripley-Hillsboro Rd., Highland Co. (11) 0.278 mi. Sect. "Hillsboro" Ripley-Hillsboro Rd., Streets and **Roads (Continued)**

Highland Co. **(12)** $1.444 mi. Sect. "P" Plymouth-Norwalk Rd., Huron Co. **(13)** 1.085 mi. Sect. "Coalgrove" Ohio River Rd., Lawrence Co. **(14)** 1.055 mi. Sect. "Vealgrove" Ohio River Rd., Lawrence Co. **(15)** 2.032 mi. Sect. "A" Toledo-Detroit Rd., Lucas Co. **(16)** 0.945 mi. Sect. "G" Youngstown-Pittsburgh Rd., Mahoning Co. **(17)** 0.906 mi. Sect. "Eaglewood Dam" National Rd., Montgomery Co. **(18)** Sects. "U," "T" and "Vandalia" Montgomery Co. **(19)** 3.263 mi. Sect. "G" Mt. Gilead-Sunbury Rd., Morrow Co. **(20)** 1.762 mi. Sect. "A-1" Caldwell-Barnesville Rd., Noble Co. **(21)** 0.383 mi. "Beaver" Piketon-Jackson Rd., Pike Co. **(22)** 0.158 mi. Sect. "Belleville" Belleville-Lexington Rd., Richland Co. **(23)** 0.195 mi. Sect. "D" Belleville-Lexington Rd., Richland Co. **(24)** 1.95 mi. Sect. "Belleville" Belleville-Lexington Rd., Richland Co. **(25)** 1.091 mi. Sect. "P-1" Chillicothe-Logan Rd., Ross Co. **(26)** 2.939 mi. Sect. "B" Fremont-Tiffin Rd., Sandusky Co. **(27)** 2.164 mi. Sects. "L" and "Otway" Portsmouth-Hillsboro Rd., Scioto Co. **(28)** 3.258 mi. Sect. "D" Canton-Alliance Rd., Stark Co. **(29)** Sect. "H" Ravenna-Louisville Rd., Stark Co. **(30)** 0.54 mi. Sect. "R" Millerburg-Canal Dover Rd., Tuscarawas Co. **(31)** 0.296 mi. Sect. "C-1" Akron-Wooster Rd., Wayne Co. **(32)** 1.25 mi. Sect. "E" Stryker-Evansport Rd., Williams Co., grading, etc., **(33)** 4.176 mi. Sect. "E" Marietta-Athens Rd., Athens Co. **(34)** 1.27 mi. Sect. "F" Marietta-Athens Rd., Washington Co. **(35)** 1.468 mi. Sect. "A" Athens-McConnellsville Rd., Athens Co. **(36)** 2.39 mi. Sect. "G-1" Defiance-Delphos Rd., Defiance Co. **(37)** 3.437 mi. Sect. "O-Crown City" Ohio River Rd., Gallia Co. **(38)** 5.364 mi. Sect. "E" McArthur-Logan Rd., Hocking Co. **(39)** 1.068 mi. Sect. "A-3" McArthur-Logan Rd., Hocking Co. **(40)** 1.598 mi. Sect. "D-2" Woodsfield-Clarington Rd., Monroe Co. **(41)** 4.363 mi. Sect. "L" McConnellsville-Athens Rd., Morgan Co. **(42)** Sect. "C" Toledo-Angola Rd., Williams Co., grading **(43)** 0.872 mi. Sect. "A-1" Toledo-Angola Rd., Williams Co., from C. Brindel, Kent, **(a2)** $19,728; Perkins Structural Steel Co., Worthington, **(a2)** $14,644 **(b2)** $14,250; H. F. Dougherty, Steubenville, **(c3)** $133,700 **(d3)** $133,700; Hinton & Smalley, Selina, **(e4)** $43,618; Modern Constr. Co., Fremont, **(e5)** $141,828 **(c26)** $66,599; C. A. Latshaw, Fostoria, **(d5)** $126,463 **(f5)** $124,896; D. D. Kear, Wharton, **(g6)** $26,816; W. H. and H. A. Souder, Fostoria, **(h6)** $17,543; A. Langenderfer, Toledo, **(f7)** $91,086 **(i7)** $98,003 **(r32)** $12,631; Erman & Siebel, Defiance, **(d7)** $90,607; A. K. Grandle, Leesburg, **(a8)** $6,727 **(a9)** $3,553 **(11)** $12,466; C. O. Baldwin, Hillsboro, **(c10)** $75,105; C. J. Baltes, Norwalk, **(e12)** $46,129; Carey & Abt, Ada, **(d12)** $50,178; Pettibone & Graves, Lakeside, **(f12)** $44,250; Mayo Bros., Ironton, **(a13)** $27,233 **(a14)** $6,489 S. C. Johnson Co., Toledo, **(J and t 15)** $110,609; J. L. Laboiteaux, Toledo, **(j15)** $103,373; A. Colluci, Poland Village, **(k16)** $23,392; Little & Fischer, Dayton, **(e17)** $48,462; Kenton Constr. Co., Kenton, **(h18)** $119,024 **(l18)** $159,949 Radebaugh & Graham, 145 North Front St., Columbus, **(n18)** $156,158; T. L. Losey, Canton, **(g19)** $41,359; F. Freese, Tyro, **(h19)** $2,313; Merry & Miller, Caldwell, **(m20)** $34,997; I. J. Kuhner, Jackson, **(e21)** $16,339; H. S. Strodbeck, Ashland, **(j22)** $20,167 **(n23)** $8,932; Ideal Constr. Co., Sandusky, **(n24)** $10,363 **(43)** $3,104; W. H. Ringwald, Chillicothe, **(n25)** $34,383; Richards Constr. Co., Willard, **(s26)** $74,949; Harper & Ruel, Portsmouth, **(o27)** $52,901 **(s27)** $52,901; Studebaker & Son, Greenville, **(a28)** $124,343; Weis Bros., Canton, **(p28)** $102,750; General Asphalt Paving Co., 1268 Dueber Ave. S. W., Canton, **(q28)** $113,338; Seipel-Wolf Constr. Co., Youngstown, **(f29)** $117,648 **(g29)** $111,653; Eldorado Paving Co., Youngstown, **(e29)** $130,160; Russell Bros., Youngstown, **(s29)** $116,866; C. Wilmore, Butler, **(e30)** $17,117; Homes Constr. Co., Wooster, **(a31)** $9,011; J. A. Elder, Bryan, **(s32)** $12,564; C. A. Baker, Marietta, **(33)** $57,268 **(34)** $32,386 **(35)** $27,945; C. Randolph, Defiance, **(36)** $5,401; Miller Bros., Gallipolis, **(37)** $54,867; L. S. Gaty, 3720 North High St., Columbus, **(38)** $74,893; B. F. Bolin, 1149 Neil Ave., Columbus, **(39)** $11,036; E. A. Hatcher, Mingo Junction, **(40)** $32,629; Radecliff & Reinberg, McConnellsville, **(41)** $37,777; H. G. Klickinger, Delta, **(42)** $14,958. Noted Sept. 11.

O., Cleveland—Improving **(1)** East 55th St., 24,500 sq.yd., asphalt, 6,350 lin.ft. stone curbing, 8,150 ft. 4 in. drain tile gutter, 9,300 cu.yd. earth excav. **(2)** East 55th St. **(3)** St. Clair Ave. **(2 and 3)** involves 20,955 sq.yd. vitr. brick or asphalt on concrete, 6,900 lin.ft. stone curbing, 8,800 lin.ft. 4 in. drain tile gutter, 10,100 cu.yd. earth excav. **(4)** East 167th St. **(5)** Yorick Ave. **(6)** East 174th St. **(7)** Cleveland Rd. (4 to 7 inclusive) involves 17,240 sq.yd. vitr. brick or asphalt on concrete, 10,410 lin.ft. stone curbing, 11,805 lin.ft. 4 in. drain tile gutter, 8,680 cu.yd. earth excav. **(8)** East 125th St. **(9)** Governor Ave. **(10)** Forest Ave. **(11)** Gray Ave. (8 to 11 inclusive) involves 21,630 sq.yd. vitr. brick or asphalt on concrete, 12,780 lin.ft. 14,910 lin.ft. 4-in. drain tile gutter, 12,775 cu.yd. earth excav. **(12)** East 147th St. **(13)** Linnett Ave. **(14)** East 128th St. (12 to 14 inclusive) involves 31,390 sq.yd. vitr. brick or asphalt on concrete, 20,450 lin.ft. stone curbing, 21,500 lin.ft. 4 in. drain tile gutter, 16,980 cu.yd. earth excav., from Cleveland Trinidad Paving Co., The Arcade, **(1)** $123,411 **(8)** asphalt $32,568, brick $40,997 **(14)** asphalt $33,611, brick $42,234; from Bentley Bros., 3030 Euclid Ave. **(2)** $52,982; from River Constr. Co., 2402 Mapleside Rd., **(3)** $82,111 **(6)** asphalt $22,949, brick $24,295 **(7)** asphalt $19,135; from Gould & Maybach, 16311 Saranec Rd., **(4)** asphalt $22,100, brick $28,787; from H. G. Herring, 316 The Arcade, **(5)** $10,405 **(11)** $2,897; from Rieley Bros., The Arcade, **(7)** brick $23,395; from Baldwin Bros., 4500 Euclid Ave., **(9)** asphalt $31,751, brick $40,415 **(12)** asphalt $55,438, brick $64,849; from Enterprise Paving & Constr. Co., 8444 Bway., **(10)** asphalt $22,534, brick $28,375; from Roehl Bros., 7002 Denison Ave., **(13)** asphalt $41,939, brick $52,017.

O., Cleveland — Improving East 154th St., from Baldwin Bros., 4500 Euclid Ave., $41,282; Darwin Ave., from Gould & Mayback, 16313 Saranec Rd., asphalt $34,035, brick $42,897; West 15th St., from Roehl Bros., 7002 Denison Ave., $10,410. Work involves 17,130 sq.yd. vitr. brick on concrete 10,900 lin.ft. stone curbing, 12,570 lin.ft., 4 in. drain tile gutter, 12,560 cu.yd., earth excav. R. Hoffman, City Hall, engr.

O., Columbus—Franklin Co., grading and sheet asphalt paving 11,000 sq.yd. Harding Rd., Truro Twp., from Cleveland Trinidad Co., Grand Theatre Bldg., $53,335, 30,000 sq.yd. Eastmore Rd., Truro Twp., from Brewer & Brewer Sons, Chillicothe, $119,707; waterbound macadam paving, ½ mi. Miller Rd., Truro Twp., from Kinnear & Barricklow, 102 Hamilton Ave., $16,235, 3.96 mi. Waggoner Rd., Truro and Jefferson Twps., from G. P. Irwin, Columbus, $78,369 and R. E. Van Camp, Columbus, $78,369. Noted Aug. 28.

Michigan — State Hy. Dept. at office Comrs. Montmorency Co., Atlanta, grading and graveling 3.214 mi. State Trunk Line Rd. 32-6 B, from McDonnell & Donnelly, Bay City, $50,727.

Tex., Center—Shelby Co., grading, constructing timber pile trestle bridge, etc., on 11.45 mi. State Highway 35, Federal Aid Project 348-B and C, 24 ft., from Hannah Constr., Box 994, Waco, $46,904. Engrs. est. $54,500.

Tex., Palo Pinto—Palo Pinto Co., 1 in. bituminous surfacing 92,600 sq.yd. State Highway 1 from Metcalfe Gap to Stephens Co. line, $35,600; 2 in. bituminous surfacing 170,000 sq.yd. State Highway 1 between Eagle Creek and Mineral Wells, $190,000, 61,500 sq.yd. State Highway 1, from point ½ mi. east of Eagle Creek to Metcalfe Gap, $67,500, 114,800 sq.yd. State Highway 1, from Strawn to Metcalfe Gap, $127,000. G. W. Courter, co. engr.

Tex., Rockwall -- Rockwall Co., grading and concrete paving with **(a)** all rock **(b)** ½ rock and ½ gravel **(c)** all gravel, 45,000 sq.yd. Rockwall-Heath Rd., from Kirk & Patterson, Corsicana, **(a)** $113,767 **(b)** $107,917 **(c)** $103,417. Noted Aug. 21.

Calif., Los Angeles — Paving, grading, sidewalks and sewers in 96th St., from Tryon & Brain, Los Angeles, $34,054; Templeton St., from Warren Constr. Co., 5444 Hollywood St., $20,883; Dover St. and Seneca Ave., from E. A. Baker, Los Angeles, $23,329.

CONTRACTS AWARDED

Massachusetts — Dept. Pub. Wks., Div. Highways, State House, Boston, bituminous macadam paving and bridge on 2,943 ft. highway in Russell, to Adams & Ruxton, 387 Main St., Springfield, $44,983; bituminous macadam paving 3,065 ft. highway in Groveland, to Greenough Constr Co., South Acton, $13,827; rein.-con. paving, and bridge on 1,500 ft. highway in Lee, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $39,528; steel bridge and approaches on 900 ft. highway in Sheffield to L. D. White, Inc., 1 West St., Kingston, $52,888. Noted Sept. 18.

Mass., Boston—Dept. Pub. Wks., City Hall, repairing bituminous paving on various streets, to Central Constr. Co., 228 Southampton St., $82,700.

Rhode Island—State Bd. of Pub. Rds., Providence, concrete paving 6.18 mi. Nooseneck Rd., in Exeter and Wyoming, to C. W. Blakeslee & Sons, 58 Waverly St., New Haven, Conn., $273,665. Noted Sept. 18.

Conn., Bristol — Widening and paving Main St. from High to Prospect Sts., to C. Vacca, Terryville Rd., Engrs. est. $25,000. Noted July 24.

Conn., New Britain — Rein.-con. paving Commercial St., from Main to Elm Sts., to Berardino & Manocchio, 611 Franklin St., Hartford. Engrs. est. $25,000. Noted Sept. 4.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., grading, curbing and sidewalks on Lafayette St., to Highway Impvt. & Repair Co., 502 Bloomfield Ave., Montclair, N. J., $20,046; Lurting and Tory Sts., to Welsh Bros. Contg. Co., 32 Queens St., Astoria, $7,207 and $7,768 respectively; Mt. Holyoke Ave., to Peace Bros., 57 North Laurence St., Flushing, $1,988. Noted Sept. 18.

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., sheet asphalt paving Wythe Pl. and Sheridan Ave., to J. E. Gaffney, 438 East 91st St., $12,925 and $46,683 respectively; East 142nd St. and Melrose Ave., to Brusstar Constr. Co., Harlem River and 150th St., $25,937 and $38,938 respectively; grading and sidewalks underneath 117th St. Station, Pelham, to L. DiMinna, 2366 Lorillard Pl., $13,445; grading, curbing, laying sidewalks, etc., on Fowler Ave., to M. Del Baso, 660 East 221st St., $22,134, West 256th St., to T. DiRoma, 33 Evelyn Pl., $20,807. Noted Sept. 11.

Pennsylvania—State, Hy. Dept., Harrisburg, **(R means Route and A Application)** rein.-con. surfacing A. 2738, Potter Co., to M. J. McMahon, Brookville, $28,467; R. 30, Perry Co., to Union Paving Co., 30th and Locust Sts., Phila., $172,691; R. 151, Montgomery Co., to Ambler-Davis Co., Harrison Bldg., Phila., $66,268; R. 101, Potter Co., to G. Metzger, Jr., Emporium, $22,713; A. 1468 Fayette Co., to F. S. Wilson, Kittanning, $86,304. Noted Sept. 11.

Maryland—State Rds. Comn., Baltimore, concrete paving 6.34 mi. road along Crain Highway from end of Contr. P-41 to T. B. Prince George's Co, Contr. P-48, to L. R. Colbert, Fredericksburg, Va., $184,877, 1 mi. highway from Mexico to Brummel, Contr. Cl-54, Carroll Co., to Thomas, Bennett & Hunter, Westminster, $27,796, 0.38 mi. road along the Borden Rd., Frostburg, Contr. A-30, Alleghany Co., to S. T. Brotemarkle, Cumberland, $17,428; timber jetty, entrance of Sine-putent Bay, 2 mi. south Ocean City, Contr. Wo-33, Worcester Co., to T. A. Patterson, 411 West 13th St., Norfolk, Va., $16,447; steel bridge, York Rd., Baltimore, to Luten Bridge Co., West Market St., York, Pa., $13,500. Noted Aug. 21.

Md., Baltimore — Bd. Awards, sheet asphalt paving 16,379 sq.yd. Contr. 264-OCNA, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R., $79,185. Noted Sept. 25.

W. Va., Clarksburg — Improving West Pike and 50th Sts., to P. S. Homor, Clarksburg, $25,175.

W. Va., Charleston—Kanawha Co., concrete surfacing 1.25 mi. Ferry Branch Rd., and 1 mi. Charleston-Hamlin Rd., to Greybill & Brice, Charleston, $33,703 and $28,881 respectively.

Alabama—State Hy. Comn., Montgomery, graveling and sand clay surfacing 8.46 mi. Ozark-Dothan Rd., 20 ft., Dale Co., to Newberry & Co., Dothan, $59,232. Engrs. est. $60,000.

Alabama—State Hy. Dept., Montgomery, gravel and sandclay surfacing 8.46 mi. Ozark-Choctawatchee River Rd., 20 ft., Dale Co., to Dale County Commissioners, Ozark, $59,405. Engrs. est. $60,000. Noted Aug. 21.

Ala., Birmingham — Asphalt, concrete and chirt paving Ave. V, Ensley, to C. F. Brown, $4,545; South 11th St. and 9th Ave. S, to Dunn Constr. Co., Chamber of Commerce Bldg., $10,014 and $3,866 respectively; 14th Pl. S. W., to Henning & Bragen, $16,635; 17th St. and 8th Ave. N., to Southern Roads Co., Amer. Trust Bldg., $21,252 and $4,353 respectively; Ensley Heights, 20th St., Ensley and Prince Ave., to Morgan Hill Paving Co., Amer. Trust Bldg., $33,483, $8,699 and $6,481 respectively; 15th St., to H. N. Bowdry, $24,621; 67th Pl., also 12th, 13th and 16th Aves., to Bessemer Eng. & Constr. Co., $5,294 and $9,537 respectively; 55th Pl. S., to Independent Paving Co., Amer. Trust Bldg., $4,442, 2 pieces of track paving, to Birmingham Electric Co., Birmingham, $5,558 and $5,428; Druid Hill survey, to A. H. Mimijian, $5,789.

Miss., Decatur—Newton Co. grading and bridging 0.795 mi. Federal Aid Project 6, to W. J. Tolbert, Bailey, $23,499. Noted Sept. 4.

Miss., Magnolia—Bd. Supervs. Amite Co., grading and graveling 10.51 mi. Magnolia-Liberty-Travis Bridge Rd., to C. L. Gilchrist, Magnolia, $25,239; also 12.96 mi.

Streets and Roads (Continued)

Osyka-Walla Bridge Rd., to P. L. Dodds, McComb City.

Miss., Marks—Quitman Co., surfacing, etc. 11 mi. various roads, 17,000 sq.yd. gravel and 2 creosoted timber bridges, to W. A. Moore, Crowder, T. M. Garrott, Sledge, and C. R. Whitehead, Marks. Noted July 31.

Miss., Winona—Montgomery Co., grading and gravel surfacing etc. 12.026 mi. Federal Aid Project 19, 18 ft., to Young-Hall Constr. Co., Nokomis, Ill., $92,437.

Tenn., Harriman—Surfacing 4 mi. various streets, rock asphalt on limestone macadam, to W. C. Anderson Constr. Co., Harriman, $100,000.

O., Barberton—Asphaltic concrete paving 7th St., to W. C. Bernard, Barberton, $25,552. Engrs. est. $30,000.

O., Cincinnati—Hamilton Co., improving 6.65 mi. Cincinnati-Chillicothe Rd. from Cincinnati Corp. Line to Milford, 66,300 lin.ft. 2 ft. concrete shoulders, 64,500 cu.yd. excav., 62,500 sq.yd. bituminous macadam, 265,625 gal. tar, etc., to Murdock Constr. Co., 4611 Main Ave., Norwood, $433,883. Engrs. est. $456,188. Noted Sept. 11.

O., Cleveland—Improving Almira Ave., 5,210 lin.ft. stone curbing, 5,650 lin.ft. 4-in. drain tile gutter and 5,000 cu.yd. excav., 8,500 sq.yd. vitr. brick, to Roehl Bros., 7001 Denison Ave., $45,229.

O., Cleveland—Cuyahoga Co. improving Silsby Rd., 19,500 sq.yd. vitr. brick paving, 9,380 lin.ft. concrete curbing, 10,800 lin.ft. 4 in. drain tile gutter, 10,300 cu.yd. earth excav., to Cleveland Trinidad Paving Co., The Arcade, $100,744.

O., Cleveland—Paving Hough Ave., to Bentley Bros., 3030 Euclid Ave., $8,427; East 97th St., to Gould & Maybach, 16311 Saranec Rd., $14,914; new roadway between west end of high level bridge, to Rieley Bros., The Arcade, $8,250.

O., Euclid—Asphalt paving 3 streets, to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $61,314.

O., Garfield Heights (Cleveland P. O.)—Paving Cranwood Dr., brick to Enterprise Paving Constr. Co., 8436 Bway., $10,096; Alvin Ave., asphalt, to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $14,301. Noted Sept. 11.

Michigan — State Hy. Dept., at office Comrs. Hersey Co., Hart, grading and concrete surfacing 2.122 mi. State Trunk Line Rd. 11-58 B, to Hersey Gravel Co., Hersey, $51,130.

Michigan — State Hy. Dept., Lansing, grading 3.135 mi. State Trunk Line Rd. 14-12, Hillsdale and Lenawee Counties, to H. B. Lewis, Adrian, $23,931.

Michigan — State Hy. Dept., Lansing, grading 5.255 mi. State Trunk Line Rd. 14-18 A2 and B, Lenawee Co., to W. W. Shanor, Albion, $23,937; 4.167 mi. State Trunk Line Rd. 11-55 B, Lenawee Co., to A. Johnston, Morenci, $22,623.

Michigan — State Hy. Dept., Lansing, grading and surfacing 5.808 mi. State Trunk Line Rd. 27-20, Huron Co., to J. Bright, Pigeon, 103,819.

Michigan — State Hy. Dept., Lansing, grading and surfacing 5.721 mi. State Trunk Line Rd. 25-3, Delta Co., penetration macadam, to Delta Co. Road Comn., Escanaba, $91,661.

Ia., Adel—Dallas Co., grading, etc., 11.95 mi. Road 251, to Phelan & Shirley Co., 306 South 24th St., Omaha, Neb., $18,006; 87,301 ft. tile, to Redfield Brick & Tile Wks., Redfield, $5,710; tile labor, to W. W. Codner, Mason City, $4,859. Noted Aug. 28.

Ia., Des Moines—To Wright Constr. Co., 211 Flinn Bldg., concrete paving 24,499 sq. yd. Urandale and Cleveland Sts. at $2.03 per sq.yd., and asphalt surfacing 14,506 sq. yd. Keosauqua Way, at $3.29; to Des Moines Asphalt Paving Co., 2nd and New York Sts., asphalt paving 3,744 sq.yd. 8th and 9th Sts., $3.29.

Ia., Nevada — Concrete paving about 16,530 sq.yd. various streets, to O'Rourke Eng. Co., 1215 Mulberry St., Des Moines, $2.48 per sq.yd. Noted Aug. 21.

Minnesota — State Hy. Dept., St. Paul, grading 16.4 mi. Wasaca-New Richmond Rd., State Project 13-27, Federal Aid Project 346, to Thomas Bros. & Thursdale, Foley, $48,319, 50 ft. concrete bridge on same road, to Garvey & Son, Faribault, $12,246; grading 14.5 mi. Gaylord-Minnesota Trunk Rd., State Project 22-27, Federal Aid Project 338, Sect. A, to Spencer & Chambers, Marshall, $34,433, Sect. B, to Glencoe Constr. Co., Glencoe, $7,518, bridge on same road, to Independent Bridge Co., 1101 Metropolitan Life Bldg., Minneapolis, $18,785; grading 3 mi. Detroit-Shoreham Rd., State Project 30-24, Federal Aid Project 336 to Birch & Sons Constr. Co., Fargo, N. D., $84,753. Noted Aug. 21.

Minn., St. Paul — City will improve Wheelock Parkway, 16,109 sq.yd. asphaltic concrete, 7,900 lin.ft. curb and gutter, by day labor. Former bids repeated. H. W. Austin, city purch. agt. Noted Sept. 4.

Kan., Anthony—Harper Co., grading and sand clay surfacing 5.524 mi. Federal Aid Project 209-A, and 12.847 mi. Federal Aid Project 206-A, both 18 ft., to Shultz & Shultz, Anthony, $34,738 and $91,175 respectively. Engrs. ests. $27,171 and $105,616 respectively. Noted Aug. 14.

Kan., Kansas City—Wyandotte Co., rock asphalt surfacing 0.75 mi. Parrellel Rd., 18 ft., with 5 ft. shoulders, to Roudebush & Roberts Bros., 6th and Northwestern Sts., $26,000; waterbound macadam surfacing 0.387 mi. Joyce Rd., 14 ft., to J. Nichols, 3rd and Wyoming Sts., $7,124.

Kan., Lawrence — Asphaltic concrete on macadam surfacing, etc., 19th, Tennessee, Ohio and Delaware Sts., to A. R. Young, Lawrence, $35,000.

Neb., Minden—Grading, guttering and 14,000 sq.yd. vertical fibre brick curbing, on various streets, to Yant Constr. Co., 118 South 49th Ave., Omaha, $48,500.

Neb., Syracuse—Grading and reinforced vibrolithic concrette paving 9 blocks Dists. 5, 6 and 7, to Bruce & Grupe, 710 Bankers Reserve Life Bdlg., Omaha. Engrs. est. $30,000.

N. D., Cando—Towner Co., graveling 10 mi. Federal Aid Project 130, south of here, 14,460 cu.yd. load, unload and spread, 14,460 cu.yd. screening, 101,493 cu.yd. mi. gravel haul, etc., to H. Adams, Reynolds, $24,439; grading, etc. Federal Aid Project 263 A, near Bisbee, 3,669 cu.yd. earth excav., 22,962 lbs. metal reinforcing, 1,560 lin.ft. timber piles, etc., to F. M. Haas, Minot, $7,032.

N. D., Crosby—Divide Co., grading 10.4 mi. Federal Aid Project 257 A, 77,365 cu.yd. earth and 3,066 cu.yd. rock excav., 1,620 cu.yd. overhaul, etc., to Schultz Bros., Bowbells, $12,266; graveling 11 mi. Federal Aid Project 79 A-B, 15,282 cu.yd. load, unload, spread and screen, 87,963 cu.yd. mi. gravel haul to J. J. Gitts, Noonan, $19,955. Noted Sept. 4.

N. D., Valley City—Paving, curbing and guttering 7,096 sq.yd. Impvt. Dist. 2, to Haggart Constr. Co., Fargo, $29,100.

Missouri — State Hy. Dept., Jefferson City, to Pope Constr. Co., Jefferson City, grading 0.689 mi. Jefferson City-Fulton Rd., $4,538, 3.59 mi. Jefferson City-Columbia Rd., $26,268, 18 ft. concrete surfacing 3.59 mi. Jefferson City-Columbia Rd. $52,533, 0.689 mi. Jefferson City-Fulton Rd. $10,032 (State to furnish material), all Callaway Co.; to P. P. Young, St. Joseph, 18 ft. gravel surfacing 2.71 mi. road from Maryville east and west, $14,935, 4 mi. Maryville-Burlington Junction Rd., $32,863, both Nodaway Co., 16 ft. gravel surfacing 3.297 mi road from Grant City north and south, Worth Co., $25,232; to Cameron-Joyce Co., Keokuk, Ia., 18 ft. concrete surfacing and grading 5 mi. road from Bowling Green South, Pike Co., $88,035; to Novaculite Constr. Co., Marion, Ill., 7 ft. graveling, 9 ft. concrete surfacing and grading 2.082 mi. Essex East Rd., Stoddard Co., $38,780; to H. M. McCoy, Waterloo, Ia., gravel surfacing 4.54 mi. Jefferson City-Columbia Rd., Boone Co., $9,397, 18 ft. gravel surfacing 2.11 mi. Jefferson City-Columbia Rd. Callaway Co., $2,184; to C. H. Atkinson Paving Co., Watertown, S. D., grading and 18 ft. concrete surfacing 2.212 mi. road from Maryville east and west, Nodaway Co., $54,430; to Cook-O'Brien Constr. Co., 305 Railway Exch. Bldg., Kansas City, 18 ft. brick surfacing and grading 2.257 mi. Moberly-Huntsville Rd., Randolph Co., $75,322; to Nevada Constr. Co., Nevada, 16 ft. chat surfacing 4.943 mi. Nevada-Durfield Rd., Vernon Co., $37,353; to Dexter Constr. Co., Dexter, 12 ft. gravel surfacing 3.295 mi. Doniphan-Poplar Bluff Rd., Ripley Co., $13,115, to J. P. Sparks, Kirkwood, 1.736 mi. St. Charles-West Alton Rd., St. Charles Co., $19,811; to P. J. Murphy, Moberly, 16 ft. gravel surfacing 0.282 mi. road from Mexico East, Audrain Co., $6,837, to St. Louis Constr. Co., Frisco Bldg., St. Louis, 2.067 mi. road from Potosi north, Washington Co., $22,712, to Jones & Harlan, West Plains, 3.105 mi. Diggins-Seymour Rd., Webster Co., $16,302, to J. A. Kerr, Ozark, 3.069 mi. Houston-Cabool Rd., Texas Co., $10,388; to J. L. Simmons, La Plata, 18 ft. gravel surfacing 3.039 mi. road from Trenton south, Grundy Co., $16,607; to J. Pestotuik, Boone, Ia., gravel surfacing 4.909 mi. Jefferson City-Columbia Rd., Boone Co., $16,632 (state to furnish material); to S. J. Groves & Sons Co., Montreal and Cleveland Aves., grading 3.697 mi. Kansas City-Richmond Rd., $15,399, 7.424 mi. Richmond-Excelsior Springs Rd., Ray Co., $68,290, to V. C. Cassota, Oklahoma City, Okla., 4.855 mi. road from Warrensburg west, $42,985, 9.536 mi. Kansas City-Jefferson City Rd., Johnson Co., $51,912, to W. S. Kennedy, Marshall, 8.893 mi. Marshall-Glasgow Rd., Saline Co., $32,714, to M. E. Gillioz, Monett, 5.208 mi. road from Hannibal west, Marion Co., $52,645, to T. J. Morris, Oregon, 8.705 mi. road from Oregon north, Holt Co., $55,991, to Western Bridge Co., Harrisonville, 4.05 mi. Butler-Rich Hill Rd., Bates Co., $28,907, to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, 3.386 mi. road from Deerfield east and west, Vernon Co., $23,647, to Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, 0.35 mi. Jefferson City-Columbia Co., Callaway Co., $17,998, to C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, 4.868 mi. road from Trenton south, Grundy Co., $30,441, to Public Wks. Constr. Co., Century Bldg., St. Louis, 1.657 mi. road from Cape Girardeau south, Scott Co., $14,919. Noted Sept. 18.

Mo., Clinton—Improving ¾ mi. 3rd St., 11,725 sq.yd. vibrolithic concrete, 7,344 ft. integral curbing and sewers, to Reed & Wheelock, Clay Center, Kan., $38,669. Noted Sept. 11.

Arkansas—State Hy. Dept., Little Rock, gravel surfacing 3.96 mi. Federal Aid Project 184-A, Miller Co., to Womack Constr. Co., Sherman, $23,000, 1.88 mi. road in Nevada Co., to Western Constr. Co., Little Rock, $22,000.

Ark., Fayetteville — Surfacing Meadow St. and West Lafayette Annex, Topeka mix asphalt, to Moreno-Burkham Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., $21,500 and $14,000 respectively; Hill St., to Phoenix Constr. Co., Ft. Smith, $14,000. Noted Mar. 27.

Ark., Little Rock—Grading, curbing and asphalt paving about 45,000 sq.yd. Rosetta St., Dist 364, to P. J. Connelly Constr. Co., Southern Trust Bldg.

Ark., Little Rock—Woodruff Co., grading and gravel surfacing 7.026 mi. Dist. 15, to C. L. Hager & Co., Walnut Ridge, $58,327.

Tex., Jacksonville—Rock asphalt paving 43,000 yd. various streets, to Smith Bros., Amer. Exch. Bank Bldg., Dallas, $2.75 per yd. Engrs. est. $125,000.

Tex., Ft. Worth — Curbing, guttering and asphaltic concrete paving roads through Forrest Park, to West Texas Constr. Co., Cotton Exch. Bldg., $40,000. Noted Sept. 11.

Tex., Johnson City—Blanco Co., grading and adobe surfacing 5.54 mi. State Highway 46, State Aid Project 213-C, 16 ft., to Blanco Co., c/o W. C. Martiny, judge, Johnson City, $17,688; rein.-con. drainage structures, to T. W. Cox, Blanco City, $7,883. Noted Sept. 18.

Tex., McKinney—Collin Co., ½ in. amesite surfacing 5.42 mi. State Highway 6, State Aid Project 172-B, and 6.73 mi. State Highway 6, State Aid Project 172-C, both 15 ft., to Purvis & Lowery, Ft. Worth, $20,048 and $24,893 respectively. Noted July 24.

Tex., Orange—Orange Co., grading and rein.-con. surfacing 11 mi. State Highway 3, Federal Aid Project 305-B, 18 ft., to F. P. McElwrath, Corsicana, $28,819. Engrs. est. $30,000. Noted Sept. 18.

Tex., San Antonio—Permanent paving rock base with asphalt topping Rigsby St. from South Olive to Walters Sts., to Alamo Paving Co., 321 Dawson St., $62,445; rock base with bitulithic topping Madison St. from Garden to Guenther Sts., to Southwestern Bitulithic Co., Gunter Bldg., $26,664.

Oklahoma — State Hy. Dept., Oklahoma City, grading, etc., Federal Aid Project 89-B and C, Carter Co., to A. A. Davis, Grain Exchange Bldg., Oklahoma City, 15,867, Sect. C, incl. bridge, to Wicker Bros., Ardmore, $7,527, Sect. B, to F. E. Watson, Ardmore, $10,501. Noted Aug. 7.

Oklahoma—State Hy. Dept., Oklahoma City, **(F. A. P. means Federal Aid Project, S. P. means State Project, e. e. means engrs. est.)**, grading and paving 6.027 mi. Mansford-Creek Co. line Rd., F. A. P. 127-A, Creek Co., 63,360 sq.yd. concrete, 23,757 cu.yd. earth and 3 021 cu.yd. rock excav., to Ward Brooks Co., Empire Bldg., Oklahoma City, $198,753, e. e. $200.000; grading and graveling 4.444 mi. South Canadian River-Stigler Rd., F. A. P. 73-B and C. Haskell Co., 8,032 cu.yd. gravel, 17,697 cu. yd. earth and 3,382 cu.yd. rock excav., to J. J. Harrison, Okmulgee, $31,022, e. e. $35,000, 9.013 mi. Wister Latimer Co. Line

Streets and Roads (Continued)

Rd., F. A. P. 114, Latimer Co., 961 cu.yd. concrete, 16,213 cu.yd. gravel, 13,767 cu.yd. earth and 709 cu.yd. rock excav., to W. P. McCoy, Wichita Falls, Tex., $97,179, e. e. $110,000, 4.767 mi. Talihina-Pushmatha Co. line Rd., S. P. 20, Le Flore Co., 6,805 cu. yd. gravel, 36,022 lin.ft. borrow, 6,222 cu. yd. excav., to A. A. Davis & Co., Grain Exch. Bldg., Oklahoma City, $60,728, e. e. $65,000, 5.42 mi. Grant Rd. E., F. A. 33 A, Choctaw Co., 9,925 cu.yd. gravel, 23,701 cu.yd. earth and 1,917 cu.yd. rock excav., to E. S. Alderman, 1614 West 39th St., Oklahoma City, $48,575, e. e. $50,000. Noted Sept. 4.

Okla., Claremore—Rogers Co., grading, etc., 7.5 mi. Federal Aid Project 2, to Hamilton Constr. Co., Bartlesville, $36,754, 11 mi., to Granville-Hamlin, Muskogee, $37,231. Noted July 10.

Okla., Fairfax—Grading and vertical fibre brick paving 12,250 sq.yd. 6th, 7th, Ash, Park and Locust Sts., to L. R. Moran, Box 622, Okmulgee, $71,558. Noted Sept. 11.

Okla., Fairfax — Vertical fibre brick paving 12,600 sq.yd. 6th, 7th, Mulberry, Park, Ash and Locust Sts., to L. R. Moran, Okmulgee, $71,558. Engrs. est. $71,000. Noted March 6.

Okla., Oklahoma City—Sheet asphalt on concrete surfacing 2,900 sq.yd. 2nd St. and 3,600 sq.yd. Ashton St., to Western Paving Co., Tradesmens Bldg., $17,834 and $19,011 respectively; concrete surfacing 1,900 sq. yd. 42nd St., to M. A. Swatek & Co., Security Bldg., $7,979, 2,800 sq.yd. Kelham Ave., to G. R. Harrison, Oklahoma City, $11,273, 2,500 sq.yd. 18th St. and sanitary lateral sewers in Block 1, Swandes subdivision, to Reinhart & Donovan Co., Tradesmens Natl. Bank Bldg., $15,134 and $1,802 respectively. Noted Aug. 28.

Wash., Seattle—Comrs. King Co., grubbing and grading 2.5 mi. Quartermaster-Dockton Rd., to Erickson & Lucich, Henry Bldg., $45,988. Engrs. est. $45,000. Noted Sept. 11.

Wash., Seattle—Bd. Pub. Wks., to R. G. Stevenson, 1327 North 34th St., paving Prospect St., et al., 3,000 cu.yd. earth excav. at $0.70 per cu.yd., 6,625 sq.yd. 6 in. concrete $1.60, 3,000 sq.yd. 7 in. concrete $1.85, etc., total $57,735. Engrs. est. $64,581. Noted Sept. 11.

Calif., Inglewood—Grading, curbing, laying sidewalks and willite paving 377,321 sq.ft. Arbor Vitae St. between Prairie and Freeman Aves., to G. H. Oswald, 366 East 58th St., Los Angeles, $102,529. Noted Sept. 11.

Calif., Los Angeles — Los Angeles Co. sidewalks, topeka on asphalt paving Center St. and Atlantic Ave., to Southwest Paving Co., Washingon Bldg., $460,000. engrs. est. $460,093; constructing Garvey Ave., to Pioneer Transfer Co., Calexico, $69,850, engrs. est. $113,156.

Calif., Los Angeles — Improving Mesa St. and 16th St. Impvt. Dist., to Griffith Co., Los Angeles Railway Bldg., 9,556 sq.ft. 6 in. concrete pavement $0.20 per ft., 2,415 sq. ft. 2 in. bituminous pavement $0.10, 576,941 sq.ft. 5 in. warrenite bitulithic pavement $0.21, 8,230 ft. curb $0.60, 26,781 sq.ft. gutter $0.23, 4,646 ft. connecting sewers $1.35, etc., total $174,177. Noted Sept. 4.

Calif., Redondo Beach—Asphalt paving Catalina Ave., to G. H. Oswald, 366 East 58th St., Los Angeles, $45,908.

Calif., San Francisco—Improving Embarcadero St. between Berry and Folsom Sts., 2 in. Topeka on 6 in. concrete, to Fay Improvt. Co., Phelan Bldg., $99,132.

Calif., Santa Ana—Orange Co., grading and 10,758 cu.yd. concrete paving Arrow Highway (West 17th St.), to Griffith Co., Railway Bldg., Los Angeles, approximately $75,500. Noted Sept. 4.

Ontario—Dept. Provincial Highways, 110 University Ave., Toronto, paving 4½ mi. Contr. 1063, to Brennan Paving Co., 100 Melrose Ave., Hamilton, $125,000, 5.3 mi. Contr. 1129, to Premier Constr. Co., Walkerville, $150,000, 5.7 mi. Contr. 1130, to Johnson Bros., 43½ Market St., Brantford, $150,000, 2.3 mi. Contr. 1131, to W. L. Malcolm, Kingston, $65,000, 4.4 mi. Contr. 1132, to P. Bergman, Waterloo, $125,000, 3.7 mi. Contr. 1136, to King & Holmes, Oakville, $115,000, 6 mi. Contr. 1140, to Dufferin Constr. Co., 210 Victoria St., Toronto, $100,000, 3.4 mi. Contr. 1143, to F. Milligan, Iroquois, $60,000, 2 mi. Contr. 1144, to J. A. Montgomery, Woodslee, $20,000, 6 mi. Contr. 1151, to H. T. Roultey, 109 Lytton Blvd., Toronto, $90,000, grading Contr. 1145, to Britnell Contg. Co., 903 Yonge St., Toronto, $20,000, 6 mi. Contr. 1153, to J. Hilton, 105 Browning Ave., Toronto, $20,000, concrete bridges, etc., Contr. 1146, to Waltham & Kelly, Kenwood, $25,000, Thamesville Bridge abutments Contr. 1149, to W. E. Tidy, 10 Linsmore Crescent, Toronto, $15,000; concrete bridge at Princeton, Contr. 1147, to J. A. Vance, 197 Light St., Woodstock, $20,000, concrete bridge near St. Marys, Contr. 1148, to J. Gaffney, West Moncton, $20,000, rein.-con. bridge at Fergus Contr. 1114, to V. T. Bartram, Bank of Toronto Bldg., Toronto, $30,000; furnishing portland cement, Contr. 1120, to A. Rogers Supply Co., 85 Bay St., Toronto, $200,000.

Ont., Toronto—To Kilmer & Barber, 24 Adelaide St. E., asphalt paving Fleet St., Sect. A $31,348, Sect. B $32,506, Sect. C $32,563, Sect. D $30,904, also Ossington Ave. $7,128; to Constructing & Paving Co., Confederation Life Bldg., Rosedale Heights Dr. $12,901; to Dept. Pub. Wks., by day labor, St. Clair Ave. $15,380.

British Columbia—Dept. Provincial Highways, Victoria, asphaltic macadam paving 5 mi. road from Port Moody to Ioco, to General Constr. Co., Ltd., 736 Granville St., Vancouver, $50,000.

B. C., Point Grey—Dept. Pub. Wks., Victoria, improving 2½ mi. streets in 1st University town site subdivision, 5 in. asphaltic concrete with 2 in. Warrenite top, 5 mi. concrete curbs, gutters and sidewalks, here, to A. B. Palmer Co. Ltd., 736 Granville St., Vancouver, $150,000.

Buildings—Industrial

PROPOSED WORK

N. H., Sunapee—Plant—New Hampshire Power Co., plans addition to plant. $200,000.

Mass., Boston—Plant—Tileston & Hollingsworth Co., 211 Congress St., plans plant addition, River St. $45,000. Engineer and architect not selected.

Mass., East Boston (Boston P. O.)—Repair and Service Carage—A. De Stefano, Chelsea St., having plans prepared by S. E. Moffie, 51 Cornhill St., Boston, 1 story, 110 x 160 ft., rein.-con. and brick, Chelsea St. $60,000.

Mass., Springfield — Plant — Springfield Gas Light Co., 35 State St., plans to move gas plant, brick and steel, to Bondi's Island, also building small pier in the Connecticut River. $500,000-$800,000. C. T Tenny, 200 Devonshire St., Boston, engr.

Mass., Springfield—Roundhouse and Shop—Boston & Maine R.R., North Station, Boston, plans roundhouse and machine shop, here. $60,000. F. A. Merrill, ch. engr.

Mass., Webster — Factory — Maanexit Spinning Co., having palns prepared 3 story, 45 x 115 ft. brick addition, plain foundation. $85,000. Private plans.

Ga., Atlanta—Mill—Milstead Mfg. Co., Milstead, soon lets contract 3 story and basement, 78 x 102 ft., rein.-con., brick and steel, plain foundation, here. Robert & Co., Tuft Bldg., archts.

Tenn., Hohenwahl—Plant—See "Waterworks."

Ky., Leander—Plant—Cumberland Pipe Line Co., plans rebuilding portion of distributing plant, recently destroyed by fire. $80,000.

O., Chagrin Falls—Mill-Adams Bag Co., Cleveland St., had plans prepared by A. E. French, Hippodrome Bldg., Cleveland, 1 story paper mill, brick and steel. $75,000.

O., Cleveland — Factory — B. Folkman, 1474 St. Clair Ave., had plans prepared 1 and 2 story and basement, 46 x 120 ft., brick and steel, East 25th St. $40,000. Private plans.

O., Cleveland—Factory—Novelty Lamp & Shade Co., 240 East 22d St., G. Klein, pres., having new plans prepared by A. Sogg, 3030 Euclid Ave., 4-story and basement, 60 x 60 ft., brick and steel addition, 2400 East 22d St. $60,000. Noted Aug. 21.

Ill., Cicero—Factory—General Mill Work Co., 1315 West Congress St. making preliminary plans 2 story, brick and concrete, 18th and 52nd Sts. $100,000. Private plans.

Ill., Edwardsville—Plant—Western Tie & Timber Co., Syndicate Trust Bldg., St. Louis, Mo., making preliminary plans plant on 316 acre site, near here. Private plans.

Wis., Marshfield—Cannery—Oconomowoc Canning Co., P. Binzel, Oconomowoc, plans 2 story, 56 x 142 ft. main factory, 3 story, 58 x 120 ft. warehouse, and 1 story, 50 x 120 ft. powerhouse, brick and timber, plain foundations, South Central Ave., here. $60,000. Engineer and architect not selected.

Wis., Milwaukee — Cold Storage — H. Knuth, 1073 Teutonia Ave., having plans prepared by H. H. Bruns, 845 26th St., 2 story and basement, 50 x 107 ft., brick and tile, plain foundation, Teutonia Ave. $40,000.

Wis., Watertown — Plant — Watertown Milk Producers Assn., c/o A. Kuenzi, engr. Water St., making plans, brick and steel plant, plain foundation. $40,000.

Minn., South St. Paul—Storage Plant—Swift & Co., c/o J. S. Bangs, mgr., 936 Lincoln Ave., St. Paul, plans 6 story and basement, rein.-con., lard plant and storage building, brick and tile, here. Private plans.

Neb., Beatrice—Plant—Standard Oil Co., N. P. Nelson, mgr., 510 Bell St., plans oil plant. $150,000.

Mo., St. Louis — Service — Laclede Gas Light Co., 11th and Olive Sts., having preliminary plans prepared 2 story and basement, rein.-con. and brick, 4000 Forest Park Blvd. $300,000. Private plans.

Tex., Dallas—Plant—J. A. Smith, c/o Troy Laundry Co., 2523 Elm St., having plans prepared by Lang & Witchell, Amer. Exch. Bank Bldg., and soon takes bids 100 x 150 ft., brick and steel. $60,000.

Tex., Ft. Worth—Laundry—C. B. Capps, Denver-Record Bldg., soon takes bids 2 story, 100 x 200 ft., rein.-con. and brick, 7th St. $150,000. Private plans.

Tex., Ft. Worth—Refinery—Trans-Continental Oil Co., 1200 Pacific St., plans enlarging refinery stills. $500,000. J. C. McDowell, c/o owner, Benedum Trust Bldg., Pittsburgh, Pa., engr.

Tex., Smithville—Mill—Chamber of Commerce plans cotton mill. $300,000. Engineer and architect not announced.

Tex., Stamford—Mill—W. F. Winfrey & associates, c/o Chamber of Commerce, Ft. Worth, having plans prepared rein.-con. and steel, mill. $500,000. B. D. Blanton, 3708 Harvard St., Dallas, ind. engr.

Tex., Texas City — Mill — Peabody Houghteling & Co., 38 Wall St., New York City, making plans large paper mill, here. $500,000. Engineer and architect not announced.

Wash., Tumwater — Mill — The West Coast Pulp & Paper Co., Olympia, plans wood pulp and paper mill, here. $1,250,000. J. H. McNary, dir. Salem Paper Mills, pres.

Ore., Portland—Shops, etc.—Steel Tank & Pipe Co. of Oregon, having plans prepared new plant, on 15½ acres, Union Ave. and Columbia Blvd. $500,000 to $750,000. Work will probably be done by day labor. Address F. W. Small, c/o West Coast Iron & Steel Wks., 28th and Nicoll Sts., genl. mgr. Private plans.

Calif., Oakland — Factory — Eagle Body Mfg. Co., H. Sibley mgr., 501 South Market St., San Jose, plans factory, 48th Ave. To exceed $40,000.

Calif., Oakland—Factory—Pacific Lock Joint Pipe Co., 508 West Lake St., Seattle, Wash. c/o W. W. Briar, (mgr. new plant, here), 625 Market St., San Francisco, plans factory 87th Ave., here. To exceed $40,000.

Calif., San Francisco—Factory—Pacific Electric Mfg. Co., 827 Folsom St., having plans prepared, 1-story, timber, Keith and Donner Aves. $45,000. Private plans.

Calif., San Francisco—Factory—Premier Spring & Bed Co., 2401 17th St., (1st unit) 2 story, 90 x 490 ft., rein.-con., 3rd and Bancroft Sts., to Vukicevich and Bagge, 815 Bryant St., $200,000.

Que., Hull—Plant—F. and N. Bavaria soon take bids constructing plant. $250,000.

BIDS DESIRED

N. Y., Brooklyn—Asphalt Plant—Oct. 1, by E. Riegelmann, boro, pres. Boro Hall, constructing asphalt plant, Hamilton Ave., at Gowanus Canal opposite 14th St.

Pa., Allentown—Factory—Orcuto & Lova, will build 5 story and basement, 66 x 141 ft., rein.-con. and brick, plain foundation. Work will be done by separate contracts. D. Levy, archt., 949 Hamilton St., taking sub-bids.

Pa., Phila.—Factory, etc.—U. S. Pencil Co., c/o J. S. Furst, 60th and Baltimore Sts., taking bids 2 story and basement, 60 x 218 ft., brick factory and office building, Woodland Ave. near 60th St. $75,000. Private plans.

BIDS RECEIVED

O., Mariemont—Heating Plant—Mariemont Co., Baker Court, Cincinnati, 1 story rein.-con., plain fourdation, Wooster Pk., from M. J. Roche Constr. Co., 606 South Ohio Bank Bldg., Cincinnati, $111,000.

CONTRACTS AWARDED

Mass., Boston — Storage — South End Hardware Co., 1095 Washington St., 2

Buildings—Industrial (Continued)

story, 100 x 200 ft., brick, Shawmut Ave., Washington, and Garland Sts., to B. Steinberg, 299 Columbia St., Cambridge. Archts. est. $150,000.

Mass., Boston—Substation—Edison Electric Illuminating Co., 39 Boylston St., Sub-Station 58, 1 story and basement, 65 x 85 ft., brick and stone, Green St. and Eastern Ave., to Simpson Bros., 77 Summer St. Archts. est. $40,000.

Mass., Everett (Boston P. O.)—Plant—Mystic Iron Wks., 1 Federal St., Boston, foundation and substructure for plant, here. to Aberthaw Constr. Co., 27 School St., Boston. Engrs. est. $500,000. Noted Sept. 11.

Mass., Lynn—Plant—Lynn Gas & Electric Co., 3 story, coal storage bin, 30 ft.sq., 300 ton capacity, concrete, pile foundation, 40 x 60 x 60 ft. Battery of 11 coke ovens, and 22 x 22 x 30 ft. timber coke squenching station, Broad St., to Koppers Co., Union Trust Bldg., Pittsburgh, Pa. Archts. est. $600,000.

Mass., Malden—Factory—Malden Spinning & Dyeing Co, 257 Commercial St., 4 story, 70 x 135 ft., brick and rein.-con., Commercial St., to W. H. Whitcomb Constr. Co., 6 Beacon St., Boston. Archts. est. to exceed $150,000. Noted Aug. 28.

Mass., Medford — Plant — Massachusetts Cement Block Co, Coolidge St. and Glen Rd., will build 1 and 2 story, 60 x 75 ft., rein.-con., and brick, Coolidge St. and Glen Rd., by day labor. $40,000. Noted July 10.

Mass., Roxbury (Boston P. O.)—Repair and Service Garage—H. E. Cline, 43 Tremont St., Boston, will build 1 story, 60 x 125 ft., rein.-con., repair and service garage, 2000 Washington St., here, by day labor. $45,000. Private plans.

R. I., Providence—Power Plant and Boiler House—Narragansett Electric Light Co., Eddy St., 4 story, 38 x 75 ft. and 100 x 107 ft. power plant, South St., also 1 story, 130 x 140 ft. boiler plant, brick and steel, to D. E. McIntire, Broad St., Boston, Mass. Engrs. est. $2,500,000. Noted Aug. 21 and 28.

Conn., New Britain—Factory—Vulcan Iron Works, 63 John St., 3 story and basement, 80 x 277 ft. with 80 x 100 ft. ell, brick and steel, plain foundation, John St., to Lawrence & Coe Constr. Co., 272 Trumbull St., Hartford. Archts. est. $40,000. Noted Aug. 28.

Conn., New Haven—Laundry—Shalett & Lichter, Inc., 155 Park Ave., 2 story and basement, 30 x 110 ft., brick and steel, plain foundation, Park Ave., to A. and R. Kunklinsky, 338 West Portsea St. Archts. est. $40,000. Noted Aug. 28.

N. Y., Brooklyn—Housing Station—Dept. Plants & Structures, Municipal Bldg., New York, constructing housing station, Kent Ave., to T. A. Reilly Co., 48 East 41st St. New York, $88,400.

N. Y., New York—Housing Station—Dept. Plant & Structures, Municipal Bldg., constructing housing station, Delancey St., to T. A. Reilly Co., 48 East 41st S., $105,000.

Pa., Salina—Kiln—Keir—Fire Brick Co., general contract 1 story 50 x 150 ft. kiln, to H. K. Ferguson Co., 6300 Euclid Ave., Cleveland, O. Archts. est. $40,000.

Pa., Pittsburgh—Factory, etc.—Fleming Tank Co., 3115 Liberty Ave., general contract 1 story, 96 x 100 ft. factory and 12x20 ft. office building brick and hollow tile, 3954-56-58 Penn Ave., to T. Coutts Co., 3320 Smallman St. $40,000.

Ala., Birmingham — Coke-Ovens — Alabama By-Products Corp., coke-oven additions, to Kopper Co., Union Trust Bldg., Pittsburgh, Pa., $1,000,000.

O., Cleveland—Factory—Amer. Stove Co. 1787 East 40th St., 1 story, 40 x 126 ft., brick and steel, 1787 East 40th St., to Boldt Constr. Co., 1869 East 70th St. Archts. est. $40,000.

O., Lakewood — Sub-Station—Cleveland Electric Illuminating Co., Illuminating Bldg., 1-story and basement, Madison and Lauderdale Aves., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Engrs. est. $75,000.

Wis., Green Bay—Factory—Badger Show Case Co., 1100 South Bway., will build 1 story, 100 x 110 ft., brick, plain foundation, by day labor. $40,000. Private plans.

Wis., North Milwaukee—Shop—Lakeside Bridge & Steel Co., 33rd St. and Villard Ave., 1 story, 172 x 400 ft., brick and steel, plain foundation, to Coddington Eng. Co., 290 3rd St., Milwaukee.

Wis., Sheboygan—Mill—K. Schreier Co., 15th St. and New Jersey Ave., will build 5 story and basement, 40 x 90 ft., brick, plain foundation, by day labor. $60,000.

Ia., Cedar Rapids—Plant and Office—Gazette Co., J. Miller, pres., 85 1st Ave., general contract 2 story and basement, rein.-con., brick and stone, 500 3rd Ave. E., to A. J. Smith & Son, 234 Granby Bldg., $74,970. Noted May 8.

Tex., Amarillo—Cotton Gin—Northwest Cotton Co., c/o M. Williams, Horning, Okla., will build cotton gin, storage seed house and spur trackage, Holland addition, here, by day labor. $50,000. Private plans.

Wash., Tacoma — Power House, etc. — Commissioner Light & Water, rein.-con. superstructure, 1 story, 74 x 134 ft. power, service and hoist houses, etc., at Lake Cushman Dam, to A. Guthrie & Co., 552 Sherlock Bldg., Portland, Ore., $185,190. Noted June 19.

Calif., Pasadena — Plant — Star-News Publishing Co., 94 North Raymond Ave., 4 story and basement, 50 x 175 ft., rein.con., plain foundation, Colorado St. and Oakland Ave., to W. A. Taylor & Sons, Brae Burn Rd., $250,000. Noted June 5.

Calif., San Francisco — Warehouse — Amer. Rolling Mill Co. of California, 10th and Bryant Sts., 1 story, brick and concrete, 10th and Bryant Sts., to P. J. Walker Co., Sharon Bldg., $52,500.

Ont., Toronto—Plant—Dominion Tar & Chemical Co., Logan and Keating Sts., general contract, concrete, brick and steel plant, to Anglin-Norcross Ltd., Temple Bldg. Engrs. est. $200,000. Noted Apr. 24.

Buildings—Commercial

PROPOSED WORK

Me., Brewer—Gymnasium, etc.—H. R. Houston, city school supt., having plans prepared by Butterfield-Guertin Co., 801 Beach St., Manchester, N. H., 2 story, brick and stone gymnasium and assembly hall addition to high school. $170,000.

N. H., Portsmouth—High School—City plans Junior High School, in Atlantic Heights. $200,000. Engineer and architect not selected.

Mass., Boston—Apartment—E. Wyner, 18 Tremont St., having plans prepared by N. Jacobs 4 Park St., 5 story and basement, 45 x 90 ft., brick and stone, 6 Marlboro St. $150,000.

Mass., Cambridge (Boston P. O.) — Apartment—J. Tusker, c/o S. E. Moffie, archt., 51 Cornhill St., Boston, having sketches made 4 story and basement, brick and stone, Wendell and Oxford Sts., here. $150,000.

Mass., Fall River — Apartment — J. Kravit, 31 Albion St., having plans prepared by E. M. Corbett, 70 Bedford St., 4 story, brick and stone, Bedford St. To exceed $150,000.

Mass., Fall River—Convent—Owner c/o G. L. Destremps, archt., 11 Pleasant St., having preliminary plans prepared Jesus and Mary Convent, 2-story. $150,000.

Mass., Jamaica Plain (Boston P. O.) School—Schoolhouse Dept., Boston, having plans prepared by Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, 3-story and basement, 70 x 130 ft., brick addition, Elm St., here. $185,000.

Mass., Roxbury (Boston P. O.)—School—School House Dept., Boston, having plans prepared by McLaughlin & Burr, 88 Tremont St., Boston, 3-story, 50 x 120 ft., brick and stone addition to Sherwin Dist. Trade School here. $220,000.

Mass., West Roxbury (Boston P. O.)—School — Schoolhouse Dept., City Hall, Boston, having plans prepared by W. W. Drummey, 80 Boylston St., Boston, 2 story and basement, 40 x 135 ft., brick and stone, Germantown Dist., here. $150,000.

Mass., Worcester — Office — Worcester Chamber of Commerce, 11 Foster St., having plans prepared by Frost, Chamberlain & Edwards, 390 Main St., 4 story and basement, 116 x 150 ft., limestone and timber, Franklin St.

R. I., Providence—Apartment—Wayland Sq. Corp., 50 East 42nd St., New York City, having plans prepared by Shape, Bready & Peterkin, 50 East 42nd St., New York City, 8 story apartment, Wayland Sq., here.

R. I., Warwick—School—School Comn. having plans prepared by H. A. Slocum, 511 Westminster St., Providence, 2 story and basement, 150 x 235 ft., brick, Buttonwood St. $295,000.

Conn., Hamden—Library—W. E. Miller, Memorial Building Comn., c/o A. Woodruff, 3071 Whitney Ave., plans library. $150,000.

Conn., Hartford—Store and Office—G. Fox Co., 980 Main St., takes bids after Oct. 15, 3 story and basement, 130x150 ft., brick, plain foundation, Pratt and Trumbull Sts. $150,000. Buck and Sheldon, Inc., 60 Prospect St., archts. and engrs. Noted Aug. 7.

Conn., Meriden—Church—Italian Baptist Church, c/o J F. Parella, pastor, 127 Goodwell Ave., plans 1 story and basement, Springdale and Windsor Sts. 150,000. Engineer and architect not selected.

Conn., Storrs (R. Sta. Eagleville) — Church—Connecticut Federation Church, Bd. Trustees, c/o Storrs Congregational Church, plans church and community house. $250,000.

N. Y., Brooklyn—School—Our Lady of Loretto, 194 Sackman St., soon takes bids 4 story, 90 x 100 ft., brick, steel and stone, plain foundation, Pacific St. $200,000. A. C. Cannella, 1163 Herkimer St., archt.

N. Y., Long Island City—Office—Ballinger Co., engrs. and archts., 110 East 42d St., New York City, preparing plans 5-story and basement, 110 x 118 ft., brick, steel and stone, plain foundation, Bridge Plaza South and Crescent St., here. Owner's name withheld.

N. Y., New York — Apartment — Nine Hundred Ten West End Ave. Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., having plans prepared 15 story and basement, 90 x 121 ft., brick, steel and stone, plain foundation, West End Ave. and West 105th St.

N. Y., New York—Apartment—Trustees Sailors Snug Harbor, 12 East 9th St., having plans prepared by Helmle & Corbett, archts. and engrs., 132 West 42nd St., 9 story, 92 x 177 ft., brick, steel and stone, plain foundation, 23-45 East 9th St. $750,000.

N. Y., New York—Laboratories—Columbia University, N. M. Butler, pres., 110th St. and Amsterdam Ave., having plans prepared by McKim, Meade & White, 101 Park Ave., 12 story, brick, steel and stone, plain foundation on campus. Kaiser, Mullen & Davies, 101 Park Ave., engrs. Noted May 22.

N. Y., New York—Office—John David, 32nd St. and Bway., soon takes bids 20 story, brick, steel and stone, plain foundation, 32nd St. and Bway. $1,500,000. Starrett & Van Vleck, 8 West 40th St., archts. and engrs.

N. Y., Woodside (Ind. Sta., Flushing)—Theatre—Apartment and Bank—United Triangle Corpn., c/o Eugene DeRosa, archt., 110 West 40th St., New York City, having plans prepared, brick, steel and stone, plain foundation, Woodside Ave. between 59th and 60th Sts., here. $1,000,000.

Pa., Dormont (Pittsburgh P. O.) — Warehouse—Haugh & Keenan Transfer & Storage Co., 5911 Center Ave., Pittsburgh, having plans prepared by Hunting Davis Co., Century Bldg., Pittsburgh, 2 story and basement, 90 x 105 ft. $150,000.

Pa., Gettysburg — Hotel, Theatre and Store—Gettysburg Hotel Co. having plans prepared by W. H. Lee, 1505 Race St., Phila., 2 story and basement, 100 x 150 ft., brick and steel, plain foundation. $150,000.

Pa., Hollidaysburg — Church—Huntingdon Presbytery having plans prepared by J. Millard & Co., Hutchinson Bldg., Altoona, altering and constructing 2 story and basement, 50 x 100 ft., steel and brick addition, Walnut St. $150,000.

Pa., Johnstown — Store — Rothert Co., Altoona, plans 5 story and basement, 43 x 131 ft., steel and brick, 239 Main St. $175,000. J. G. Davis, Central Trust Bldg., Altoona, pres. Engineer and architect not selected.

Pa., Latrobe—Masonic—Latrobe Masonic Assn., c/o W. Thomas, having plans prepared by Eberson & Weaver, 212 East Spencer Ave., Chicago, Ill., 3 story and basement, brick, tile, steel and stone. $150,000.

Pa., Milton — Church—Trinity Lutheran Church, c/o J. M. Reimensnyder, plans 2 story, 90 x 100 ft., stone, steel and brick. $150,000. Engineer and architect not selected.

Pa., Mt. Union — Clubhouse — See "Unclassified."

Pa., Phila.—Temple—Scottish Rite Coms. plan temple, Broad and Race Sts. $1,000,000. Engineer and architect not selected.

Pa., Uniontown — Hotel — White Swan Hotel Co., having plans prepared by H. L. Stevens & Co., 522 5th Ave., New York City, 5 story and basement, West Main St. $300,000.

Md., Baltimore—Office—Plans election in November $2,000,000 bonds, for municipal office building.

Buildings—Commercial (Continued)

D. C., Wash.—Apartment—J. L. Barr, 824 18th St., had plans prepared by B. S. Simmons, 1013 15th St. N. W., apartment house 1910-16 K St. $250,000.

Fla., Miami—Office—Miami Realty Co., 108 Ave. B, North, L. W. Crow, pres., plans 15 story, 45x100 ft. office building North East 1st Ave. $150,000. Hampton & Ehmann, Miami, archts.

Fla., Tampa—Office—O. K. Jelks, Quitman, Ga., plans 10 story, 40x70 ft. office building, Franklin and Jackson Sts., here. $250,000.

Ala., Mobile—Fire Station and Hospital—Plans election $175,000 bonds for fire station, and $75,000 bonds for hospital improvements. W. Smith, city engr.

Miss., Meridian—Y. M. C. A., 506 Citizens Bank Bldg., soon takes bids 3 story and part basement, 125 x 125 ft., brick, incl. swimming pool, gymnasium, etc. $150,000. P. J. Krouse, M. & W. Bldg., archt.

Tenn., Memphis—Club and Hotel—B. P. O. E., Jefferson St., plans 10 story, rein.-con., brick and steel, Jefferson and Front Sts. $250,000. C. Devay, 1183 Central Ave., exalted ruler.

Tenn., Nashville — Church — Belmont Heights Baptist Church, Belmont Blvd., having plans prepared by Hart & Nevens, Watkins Bldg., and soon takes bids 1 story, brick and stone, Belmont Heights. $150,000.

O., Cleveland—Commercial and Apartment—S. Rosenthal, 1077 East 97th St., had plans prepared 3 story and basement, brick and steel, 11003 Detroit Ave. $175,000. Private plans.

O., Cleveland—Schools—Bd. Educ., F. G. Hogan, dir., plans during 1926, brick, steel and concrete school, St. Clair and Larchmont Aves., $348,800; 1 story and basement addition to Detroit Junior High School $101,600; gymnasium at Towler School, $111,600; Junior High School, 2 story and basement, brick, steel and concrete, East 93rd St. and Quincy Ave., $509,200. W. R. McCornack, East 6th St. and St. Clair Ave., archt.

O., Cleveland—School—Bd. Educ., F. G. Hogen, dir., plans 2 story and basement, brick and steel, West 115th St. and Belmont Ave. $298,000. W. R. McCornack, East 6th and St. Clair Ave., archt.

O., Cleveland Heights (Warrensville, P. O.) Apartment— L. S. Arnoff, 2777 Edgehill Rd., had plans prepared by G. Rudolph, Hunkin-Conkey Bldg., 3 story and basement, 40x203 ft., brick, 2450 Overlook Rd. $200,000.

O., Cleveland Heights (Warrensville, P. O.)—Schools—Plans election in November $750,000 bonds, 2 story and basement, brick, steel and concrete additions to Roxboro, Canterbury and Coventry Schools. Engineer and architect not selected.

O., New Philadelphia—School—Bd. Educ. plans new Junior high school, 3 story and basement. $200,000.

Mich., Flint—Y.M.C.A. having plans prepared by Robinson & Campau, 715 Michigan Trust Bldg., Grand Rapids, 4 story and basement, 80 x 170 ft. rein.-con., plain foundation. $350,000. B. E. Parks & Sons, 617 Michigan Trust Bldg., Grand Rapids, engrs.

Ill., Carbondale—Gymnasium—Pub. Wks. Dept., Springfield, takes bids about Oct. 1, 2-story, 90 x 215 ft., rein.-con., brick and stone, for Southern Illinois Teachers' College here. $150,000. E. Martin, c/o Dept. Pub. Wks., archt.

Ill., East St. Louis—Warehouse and Garage—Standard Oil Co., 400 East Cerro Gordo St., Decatur, soon takes bids 1 and 2-story, 80 x 200 ft., and 84 x 118 ft., rein.-con. and brick, McCausland and 14th Sts., here. $175,000. Schlinz & Bailey, Monadnock Bldg., Chicago, archts.

Ill., Elgin—Hospital—St. Joseph Hospital, Jefferson and Prospect Sts., having preliminary plans prepared by G. M. Morris, Sherwin Bldg., 4 story and basement, rein.-con. and brick addition. $250,000.

Ia., Ottumwa—Hospital etc.—St. Josephs Hospital, had plans prepared by E. Brielmaier & Sons, 432 Bway., Milwaukee, Wis., and soon takes bids 4 story and basement hospital, boiler house and laundry, brick and concrete, plain foundation. $200,000. Noted March 27.

Ia., Sioux City—High School—Bd. Educ. takes bids about Oct. 1, Junior High School, 3 story and basement, 176 x 296 ft., rein.-con., brick, stone and steel, 10th and Iowa Sts., $335,000, Beuttler & Arnold, Grain Exchange Bldg., archts. Noted Aug. 21.

Minn., Minneapolis—School—Bd. Educ., c/o G. F. Womrath, supt., 305 City Hall, plans 3 story and basement, rein.-con., brick and stone, Washburn Park. $600,000. Bureau of Buildings, Div. of Design & Constr., Bd. Educ., archts.

Kan., Lawrence — Office—I. O. O. F. Lodge No. 4, c/o A. Lawrence, chn, having preliminary plans prepared by R. Scamell, 422 New England Blk., Topeka, 3 story and basement, 100 x 117 ft., rein.-con., brick and terra cotta, Vermont and 9th Sts. $150,000.

Neb., Omaha—Bank and Store—U. S. Natl. Bank, having preliminary plans prepared by F. A. Henninger, Security Block, 3 story and basement, rein.-con., brick, stone and steel, 16th and Farnam Sts. $250,000.

Ark., Hot Springs—Sanatorium—Mosaic Templars of America, 904 Bway., takes bids about Nov. 1, 6 story and basement, rein.-con., brick, stone and steel, Malvern and Garden Sts. $400,000. J. P. Almand, Boyle Bldg., Little Rock, archt.

Ark., Little Rock—Y. M. C. A. c/o J. B. Withee, secy., having preliminary plans prepared rein.-con., brick, stone and steel. $500,000.

Tex., Abilene—Warehouse—J. M. Radford Grocery Co., having plans prepared by D. S. Castle, Abilene, and soon takes bids 3 story, 100 x 135 ft., rein.-con. and brick, plain foundation. $160,000.

Tex., Dallas — Sunday School — R. H. Hunt & Co., archt., Southwestern Life Bldg., soon takes bids 6 story and basement, rein.-con. and brick, plain foundation, Ervay and San Jacinto Sts., ror First Baptist Church. $350,000.

Tex., Dallas — Theatre — Warner Bros. Picture, Inc., 5842 Sunset St., Los Angeles, Calif., plan theatre here. $500,000. Engineer and architect not announced.

Tex., Dallas — Warehouse — Texas & Pacific Ry., Texas & Pacific Ry. Bldg., plans large rein.-con. and brick warehouse, Good and Pacific Sts. $500,000. E. F. Mitchell, c/o owner, ch. engr.

Tex., Harrisburg — Schools — Election Sept. 30, $350,000 bonds for Senior High School, here, and Junior High School in Magnolia Park addition. Address J. O. Webb, supt. c/o Bd. Educ. Engineer and architect not selected.

Tex., San Antonio—Hotel—San Antonio Hotel Co., Travis Bldg., plans 12 or 14 story and basement brick and concrete annex to present Gunter Hotel, St. Marys & Travis Sts. $500,000.

Tex., San Angelo—Hotel—St. Angelus Hotel Co., Inc., having plans prepared by R. E. Lane, Waco, 7 story, 85 x 90 ft. hotel. $160,000.

Okla., Blackwell—Court House—Kay Co., plans court house. $175,000 bond election soon.

Okla., McAlester—Temple—Masonic Temple Assn., 2nd and Adams Sts., having preliminary plans prepared by W. T. Schmitt, 1634 West 10th St., Oklahoma City, 3 story and basement, 100 x 180 ft., rein.-con., brick and stone. $200,000.

Okla., Pawhuska — Gymnasium — Bd. Educ. having preliminary plans prepared by J. O. Bradley, Pawhuska, 2 story and basement, 100 x 130 ft., rein.-con. and brick, plain foundation, for high school. $160,000.

Wash., Seattle—Store and Garage—H. Thomas, archt., Arcade Bldg., takes bids about Oct. 8, 3 story and basement, 111 x 160 ft., concrete, for Inter-Avenue Building Co., c/o architect. $150,000.

Ore., Portland — Lodge, Stores, etc.—Woodman of the World Camp 77, having plans prepared by Camp & Du Puy, 426 East Alder St., 3 story, 84 x 140 ft., rein.-con. and tile, plain foundation, East 6th and Alder Sts. $250,000.

Calif., Belmont—Clubhouses—See "Unclassified under Contracts Awarded."

Calif., Berkeley—Library—Plans election $150,000 bonds addition to library, Shattuck Ave. and Kittridge St.

Calif., Los Angeles—Hotel—F. A. Elliott, c/o Jonathon Club, Pacific Electric Bldg., having plans prepared by K. Macdonald, Jr., & Co., Brack-Shops Bldg., 12 story and basement, 115 x 154 ft., rein.-con., 6th and Wimer Sts.

BIDS DESIRED

Mass., Arlington—Temple—Owner, c/o C. B. Dunham, archt., 6 Beacon St., Boston, taking bids 2 story and basement, 75 x 115 ft. Masonic temple, brick, Academy St. $150,000.

Mass., Boston—Warehouse—C. E. Osgood Co., 744 Washington St., taking bids 5 story and basement, 110 x 112 ft., rein.-con. and brick, Washington and Harvard Sts. $150,000. J. W. Beal Sons, 62 Summer St., archts.

Mass., East Boston (Boston P. O.)—High School—Oct. 3, by School House Dept., City Hall, Boston 3 story and basement, 160 x 225 ft., rein.-con. and brick, White St., here. $1,300,000. J. M. Gray Co., 175 High St., Boston, archts. Noted June 12.

Mass., Jamaica Plain (Boston P. O.)—Crematory—Forest Hills Cemetery Corp. Forest Hills, taking bids for crematory here. Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, archts. Noted Sept. 11.

Mass., Roxbury (Boston P. O.)—Apartment—J. Resnick, 10 Esmond St., taking bids 3 story and basement, 60 x 180 ft., brick and stone, Abbottsford Rd. and Walnut Ave. $160,000. S. Levy, 39 Court St., Boston, archt. Noted Sept. 4.

R. I., Apponaug—High School—Oct. 1, by School Bd. 2 story and basement, brick, Apponaug Rd. $300,000. H. A. Slocomb, 511 Westminister St., Providence, archt. H. Lewis, 75 Westminister St., Providence, consult. archt. Noted Aug. 7.

Conn., Hartford—Store and Hotel—L. Lipman, Savoy Hotel, 1369 Trumbull St., taking bids 5 story and basement, brick and steel, plain foundation. To exceed $150,000. F. C. Walz, 407 Trumbull St., archt.

Conn., Norwich—School—Oct. 7, by Bd. Educ., brick, steel and stone school, plain foundation. About $150,000. School Plan Serv. Bureau, 152 West 42nd St., New York City, archts.

N. Y., Brooklyn—Office—Chanin Constr. Co., 105 Court St., will build 26 story, brick, steel and stone, plain foundation, 26 Court St. $4,000,000. Work will be done by separate contract. Private plans.

N. Y., New York—Apartment Hotel—Lapidus Eng. Corp., 210 West 70th St., will build 75 x 100 ft., brick, steel and stone, plain foundation, 27 West 73rd St. $3,000,000. Work will be done by separate contracts. Private plans.

N. J., Rutherford—School—Sept. 29, by Educ., 56 Elliott Pl., new school, Union and Springfield Aves. $225,000. E. Sibley, Edgewood Lane and Bluff Rd., Palisade, archt.

Pa., Bridgeville — Office — Sept. 27, by Universal Steel Co., 3 story and basement, brick and steel office building. $150,000. C. H. Haggart, c/o owner, engr. C. J. Palmgreen, c/o owner, archt.

Pa., Phila.—Apartment—S. L. Baron, c/o G. H. Murphy and C. Tolley, archt. Drexel Bldg., will build 4 story and basement, brick and steel, plain foundation, 53rd and Wynnefield Sts. $150,000. Work will be done by separate contracts.

D. C., Wash.—Hotel—H. Etchison, 1734 L St. N. W., taking bids Lincoln Hotel, 10th and L Aves. N. W. $300,000. Stern & Tomlinson, Continental Trust Bldg., 14th and H Sts., archts.

Ala., Birmingham—High School—Oct. 1, by Bd. Educ., 3 story 75 x 150 ft., rein.-con., brick and steel addition to Phillips High School. 8th Ave., $400,000. D. O. Whildin & W. B. Ittner, Title Bldg., archts. Noted April 3.

Ala., Mobile—High School—Oct. 8, at office of Bd. School Comrs., high school group on property west of Carlin St. G. B. Rogers, 1007 Van Antwerp Bldg., archt.

O., Cleveland—Commercial and Garage—Cleveland Properties Co., c/o R. M. DeFasselle, Cleveland Discount Bldg., taking bids 1 and 2 story, 140 x 200 ft., brick, Euclid and Wymore Aves., $150,000. J. F. Bontempo, 308 Euclid Ave., archt.

O., Sandusky—Hospital—Sept. 27, by Providence Hospital Co., 3 story and basement, 90 x 105 ft., brick, steel and concrete. $200,000. Millot & Parker, Sandusky, archts.

Wis., Milwaukee—Home—Scott & Mayer, archts., 214 Mason St., taking bids, 4 story and basement, 32 x 40 ft. and 42 x 134 ft., brick and concrete addition, plain foundation, Downer Ave., for Protestant Home for Aged, 503 Downer Ave. $175,000. Noted July 10.

Minn., Minneapolis—School—Oct. 10, by Bd. Educ., 305 City Hall, 3 story and basement, rein.-con., brick, tile and stone, 49th St., and Wentworth Ave. $600,000. Bureau of Buildings, 245 9th Ave. N., engrs. Noted Sept. 25.

Neb., Seward—Administrative Seminary—Oct. 3, by Bd. of Dirs. Teachers Seminary, 3-story and basement, brick and stone, rein.-con., for Evangelical Lutheran Synod. $150,000. W. F. Gerhandt, 1408 North 34th St., Omaha, archt.

Tex., Canadian — Oct. 10, by J. E. Stephens, judge Hemphill Co., grading 1.15 mi. State Highway 4, State Aid Project

Buildings—Commercial (Continued)

300-A, 16 ft., also 600 lin.ft. timber trestle repair bridge over Big Timber Creek and dip across west fork of Horse Creek, $25,725. R. B. Alexander, co. engr.

Tex., San Antonio—Medical Arts—Sept. 29, by R. H. Cameron, archt., City Natl. Bank Bldg., 12 story and basement, 80 x 140 ft., steel, stone or terra cotta, plain foundation, Ave. E and Plaza Sts. $1,000,000. (To be financed by subscription). Noted Sept. 13.

Calif., Covina—High School—Oct. 8, by Covina Union High School Dist., 2 story and basement, 66 x 156 ft. science building, and 55 x 73 ft. auditorium addition both rein.-con. $150,000. Train & Williams, Western Mutual Life Bldg., Los Angeles, archts. Noted July 3.

Calif., Los Angeles—Hospital and Nurses Home—Rea & Garstang, archts., Trust & Savings Bldg., taking bids 5 story and basement, 40 x 165 ft., rein.-con. hospital addition and 4 story and basement, 80 x 136 ft. nurses home, brick, Grand Ave., for Methodist Hospital of Southern California, 2826 South Hope St. To exceed $350,000. Noted May 15.

Calif., Oakland—Church—K. G. Howard, archt., 1st Natl. Bank Bldg., San Francisco, taking bids church Class A construction, 26th and Harrison Sts., for First Congregational Church. $200,000. Noted May 1.

BIDS RECEIVED

Pa., Phila.—Office—See "Buildings—Industrial."

Ia., Cedar Rapids—Store and Office—Killian Co., 210 3rd Ave., general contract 12 story and basement, 80 x 120 ft., rein.-con., brick and tile, 3rd Ave. and 2nd St. E., from J. A. McDonald Constr. Co., 235 Steiner Bldg., Minneapolis, Minn., $720,000. Noted Aug. 28.

Tex., Austin — High School — G. N. Decherd, pres. School Bd., 3 story and basement, rein.-con. and brick addition to Junior High School, Rio Grande and 15th Sts., from J. J. Wattinger, 812 Patterson Ave., $208,900. Noted Sept. 4.

Tex., Waco — Church — Central Christ Congregation, A. J. Bush, chn., 3 story and basement, 80 x 110 ft., 11th and Washington Sts., from J. S. Harrison Constr. Co., 614 Liberty Bldg., $150,000. Noted July 31.

Wash., Seattle — Warehouse—Bd. Pub. Wks., Sept. 5, 1 story, 250 x 360 ft., rein.-con., 4th, South and Spokane Sts., from E. J. Rounds & Son, Walker Bldg., for City Light Dept. $247,400.

Calif., San Bernardino—Office, etc.—F. C. Platt & Co., c/o J. P. McNeil, archt., 445 4th St., theatre and office building from G. Herz Co., 8th and E Sts., $179,951. West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, lessee.

Calif., San Jose—High School—Bd. Educ. general contract Junior High School, St. Clara St., from H. Jorgensen, 651 Prevost St., $280,364; W. Reed, Brower Bldg., Bakersfield, $346,250; West Coast Constr. Co., 519 California St., San Francisco, $355,880. Noted Aug. 14.

CONTRACTS AWARDED

Me., Van Buren—School and Convent—Sacred Heart Parish School, 2 story and basement, 50 x 135 ft., brick, to E. O. Thibodeau, Van Buren. Archts. est. $200,000.

Mass., Boston—Exchange—New England Telephone and Telegraph Co., 59 Oliver St., 5 story, 70 x 110 x 200 ft., brick and stone, Harrison Ave., and Essex St., to L. P. Soule & Son, 80 Boylston St. Noted Apr. 10.

Mass., Edgartown—School—Bd. Educ., 2 story and basement, 60 x 110 ft., brick and stone, West Tisbury Rd., to P. G. D'Armand & Son, Westboro. Archts. est. $150,000. Noted Aug. 28.

Mass., Medford — High School — City, Junior High School, 2 story and basement, 85 x 223 ft. and 42 x 63 ft., concrete, brick and steel, Auburn St., Ward 6, to J. W. Duff, Inc., 146 Summer St., Boston, $271,400. Noted Sept. 11.

Mass., Roxbury (Boston P. O.)—School—School House Dept., Boston, altering and constructing 3 story and basement, 60 x 75 ft., brick and stone, elementiry school addition in Lewis Dist., Walnut Ave., here, to J. Rugo, 80 Boylston St., Boston. Archts. est. $150,000.

R. I., Providence—Rectory—St. Michaels Parish, c/o A. J. Murphy, archt., 56 Linwood Ave., 3 story and basement, brick, plain foundation, Oxford St., to Hope Building Co., 87 Weybosset St. Archts. est. $150,000.

R. I., South Kingston—Hospital—South County Hospital, c/o Angell & Swift, archts., 87 Weybosset St., Providence, 3 story and basement, brick, plain foundation, Kenyon Ave., here, to L. F. Bell, Wakefield. Archts. est. $225,000.

Conn., Bridgeport — Garage and Showroom—D. W. Flint, Inc., Allens Ave., Providence, R. I., 2 story and basement, 130 x 160 ft., brick and steel, plain foundation, West and State Sts., to Hewlett Co., 884 Main St. Archts. est. $150,000. Noted Sept. 11.

Conn., New Haven—Garage—Biever Motor Co., 1079 Chapel St., 1 story and basement, 50 x 150 ft. and 70 x 140 ft., brick and steel, plain foundation, Whalley Ave., to Sullivan & McKeown, 937 Dixwell Dr. Archts. est. $150,000. Noted Sept. 11.

Conn., West Hartford (Hartford P. O.)—School—School Dept., 2 story and basement, 65 x 110 ft., brick, Seymour St., to Bartlett-Brainard Co., 252 Asylum St. Archts. est. $150,000.

N. Y., New York—Apartment—Three Hundred Forty-Two West 24th St. Corp., c/o Gronenberg & Leuchtag, archts. and engrs., 31 Union Sq., will build 6 story, 100 x 100 ft. brick, steel and stone, plain foundation, 331 West 24th St., by day labor. $300,000.

N. Y., New York—Apartment—St. John Building Corp., c/o C. Clark, archt., 441 East Tremont Ave., Brooklyn, will build 5 story, brick, steel and stone, plain foundation, Avenue St. John, here, by day labor. $175,000.

N. Y., New York—Courthouse—Bd. Estimate & Apportionment in Council Chamber, City Hall, courthouse, Center, Worth, Baxter and Pearl Sts., interior finish work, to J. T. Brady Co., 103 Park Ave., $3,600,000, drawn steel work to G. A. Fuller Co., 949 Bway., $308,560; plumbing, to Riggs Distler Co., 342 Madison Ave., $177,771; heating, to Baker Smith Co., 576 Greenwich St., $624,000; electric work, to W. H. Taverner, 175 5th Ave., $118,000. Noted Aug. 28.

N. Y., New York—Hotel—A. M. Bing, 587 5th Ave., 15 story, brick, steel and stone, plain foundation, Lexington Ave. and 21st St., to Bing & Bing, 119 West 40th St.

N. Y., Smithtown Branch—School—Bd. Educ., general contract brick, steel and stone school, plain foundation, to Zerbe Constr. Co., 1133 Bway., New York City; heating, to A. A. Johnson Heating Co., 131 East 26th St., New York City, $27,060. Noted Aug. 7.

N. J., Jersey City—School and Convent—St. Aloysius Academy, c/o J. T. Rowland, archt., 100 Sip Ave., 3 story brick, steel and stone, plain foundation, Kensington Ave., to J. Mitchell Inc., 999 Bergen Ave., Archts. est. $200,000.

Pa., Ardmore — Office — Comrs. Lower Merion Twp., 3 story and basement, 60 x 100 ft., stone, plain foundation, 75 East Lancaster St., to F. A. Havens Co., 845 North 19th St., $192,500. Noted Aug. 28.

Pa., Bethlehem—Market, etc.—City, 1 story, 100 x 100 ft. market house, 32 x 130 ft. arcade, and 30 x 50 ft. comfort station, to F. H. Clement & Co., Wilbur Trust Bldg. Noted July 10.

Pa., Etna—High School—Bd. Educ., general contract Junior and Senior High School, 3 story, mezzanine and basement, 88 x 163 ft., Locust and Hickory Sts., to Rose & Fisher, Martin Bldg., N. S., Pittsburgh. Archts. est. $250,000. Noted June 5.

Pa., Lancaster—High School—Bd. Educ., 3 story and basement, 68 x 201 ft., rein.-con. and brick, plain foundation, to C. W. Strayer, 13th and Thompson Sts. $21,600. Noted Sept. 18.

Pa., Phila. — Nurses Home — Stone & Webster, engrs., Real Estate Trust Bldg., 6 story and basement, 31 x 99 ft., rein.-con. and brick, plain foundation, 10th and Sansom Sts., to Wark Co., 1600 Walnut St., for Jefferson Medical College, 10th and Sansom Sts.

Pa., Oil City — Church — Trinity Methodist Episcopal Congregation, general contract 1 and 2 story and basement, 120 x 130 ft., stone and brick, to L. C. Bouquin, Oil City. Archts. est. $200,000. Noted Sept. 27.

D. C., Wash.—Hospital—New Crittenton Home, nurses home and dormitory, to F. L. Wagner 1336 New York Ave., N. W., $200,000.

Md., Baltimore — Dormitory — Mt. St. Joseph College, Frederick Ave., 4 story and basement, 44 x 51 x 141 ft., brick and concrete, plain foundation, Frederick Ave., to G. B. Monmonier & Son, 1711 McCulloh St., $150,000.

Md., Salisbury — School—Smith & May, archts., Calvert Bldg., Baltimore, 3 story and basement, brick and steel, concrete foundation, to Consolidated Eng. Co., Calvert Bldg., Baltimore, for Eastern Shore State Normal School Com. $175,000. Noted Aug. 21.

Tenn., Memphis -- Church — Trinity Church, 3 story, brick, steel and stone, Galloway and Evergreen Sts., to L. L. Diehl 1663 Forest St. $150,000.

O., Chagrin Falls—Orphanage—Cleveland Protestant Orphan Asylum c/o E. J. Henry, 5000 St. Clair Ave., Cleveland, 84 x 93 ft. hospital, 112 x 124 ft. Kindergarten, four 30 x 79 ft. cottages, 41 x 70 ft. chapel, and 25 x 61 ft. garage, brick, steel and concrete here, to A. A. Lane Constr. Co., 1869 East 55th St., Cleveland. Archts. est. $650,000.

O., Lorain—Store and Office—Syndicate c/o J. H. Drummond, 4500 Euclid Ave., Cleveland, 4 story and basement, 120 x 178 ft., brick, steel, and concrete Bway. and East Erie Ave., here, to Drummond-Miller Co., 7500 Euclid Ave., Cleveland. Archts. est. $500,000.

Ill., Pekin—School—Bd. Educ., 2 story and basement, rein.-con., brick and stone, to E. F. Lampett & Sons, Pekin. Archts. est. $165,000. Noted July 31.

Ill., Peoria—Community—First Baptist Church, 1000 Hamilton Ave., 2 story and basement, 100 x 150 ft., rein.-con., brick and stone, Glen Oak Ave., to W. Allen & Sons., 929 Jefferson Bldg. Archts. est. $160,000.

Wis., Milwaukee — Store — Holabird & Roche, archts., 104 South Michigan Ave., Chicago, Ill., 5 story, 201 x 422 ft., steel, concrete and terra cotta addition, plain foundation, Grand Ave., to S. M. Siesel Co., 160 Ogden Ave., for Plankinton Arcade Co., 216 Plankinton Arcade, $1,500,000. Noted Aug. 28.

Ia., Cedar Rapids—School—Bd. Educ., C. D. Hedberg, secy., general contract 2 story and basement, 190 x 191 ft., rein.-con., brick, tile and stone, 23rd. Ave. and J St. W., to J. W. Hopp Constr. Co., 415 Granby Bldg., $266,915. Noted Sept. 18.

Ia., Ft. Dodge—Hospital—Lutheran Hospital Assn., c/o F. W. Griffith, archt., 400 Snell Bldg., general contract 4 story and basement, 40 x 200 ft., to C. E. Larsen, Ft. Dodge, $91,960. Noted Aug. 28.

Minn., Duluth -- Auditorium — Duluth Skating and Hockey Rink Co., G. Higardt, mgr., 2 story, 145 x 300 ft., rein.-con., brick and steel, 12th Ave. E. and Superior St., to Jacobson Bros., Columbia Bldg., $150,000.

Mo., St. Louis — Apartment — J. W. Thompson, c/o Saum Bros., archts., 713 A Chestnut St., will build 2 and 3 story and basement, 180 x 200 ft., rein.-con., brick and terra cotta, Pershing St. near Clare St., for J. W. Thompson, c/o architects, by day labor. $250,000.

Mo., St. Louis—Office—I. T. Cook Co., Arcade Bldg., general contract 5 story top addition, Olive and 9th Sts., to A. Monechein, Arcade Bldg. Archts. est. $500,000. Noted June 19.

Tex., San Antonio—Auditorium—A. B. and R. M. Ayres, archts. Bedell Bldg., and Willis & Jackson, archts., Chandler Bldg., 2 story and basement, rein.-con., brick and stone, to Walsh & Burney, 900 Flores St., for City. $570,680. Noted Sept. 4.

Calif., Los Angeles—Apartments—L. C. Adams, 1217 West Santa Barbara Ave., will build 2 story, timber and stucco, Menlo Ave., by day labor. $150,000. R. L. Jones, 311 South Western Ave., archt.

Calif., Los Angeles—Church, etc.—Vermont Square Methodist Episcopal Church, 3 story, 52 x 159 ft., rein.-con., Vernon and Budlong Aves., to Escherich Bros., 234 West 37th St., $150,000.

Calif., Los Angeles—Exchange—Pacific Telephone & Telegraph Co., 740 South Olive St., 3 story and basement, 104 x 134 ft., brick, terra cotta, steel and rein.-con., plain foundation, Wilshire Blvd. and La Brea St., to Macdonald & Kahn, Spring Arcade Bldg., $249,000.

Calif., Los Angeles—Hotel—F. Horowitz, Stock Exch. Bldg., 4 story and basement, 50 x 180 ft., brick, Alvaredo St., to W. D. Lee, Sun. Bldg., approximately $152,120. Noted May 22.

Calif., Long Beach—School—A. C. Price, secy. Bd. Educ., 436 Markwell Bldg., group of Alexander Hamilton High School buildings, Alamitos Ave., State and Gundry Sts., to C. T. McGrew & Sons, 1345 West Ocean Blvd., gen. contr. $287,325.

Calif., Palo Alto — Theatre — Palo Alto Theatre Co., E. J. Arkush, mgr., c/o Weeks & Day, archts., 315 Montgomery St., San Francisco, rein.-con. theatre, to Barrett & Hilp, 918 Harrison St., $159,622. Noted July 3.

Calif., San Francisco—Store and Office—Marian Realty Co., 1171 Market St., will build 3 story and basement, steel, concrete and brick, Market and 7th Sts., by day labor. $175,000. Noted Mar. 8.

Federal Government Work

PROPOSED WORK

Ark., Helena—River Terminal—City and U. S. Government War Dept., Wash., D. C., having preliminary plans prepared river terminal incl. docks, warehouse loading and unloading equipment, etc.

BIDS DESIRED

Mass., Rutland—Buildings—Oct. 21, by U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., additions to buildings and utilities, etc. at hospital, here; adv. E. N.-R., Sept. 25.

N. Y., New York—Underground Passage —Oct. 9, by Treas. Dept. at office Supervising Architect, Wash., D. C., new underground passage at U. S. Assay Office Sub-Treasury, here; adv. E. N.-R. Sept. 25.

Va., Quantico—Sewer—Spec. 4997—Oct. 15, by Bureau Yards & Docks, Navy Dept., Wash., D. C., sewer in marine flying field, here. Noted Sept. 11.

Tenn., Memphis — Barges — Oct. 22, by Mississippi River Comn., 1st and 2nd Dists., 1006 McCall Bldg., 12 steel barges; adv. E. N.-R. Sept. 25.

Tenn., Memphis—Barges—Oct. 21, by Mississippi River Comn., 1st and 2nd Dists., 1006 McCall Bldg., 5 steel line barges; adv. E. N.-R., Sept. 25.

Ohio—Oct. 17, by U. S. Engineer Office, Buffalo, N. Y., dredging and removing outer end of piers at Fairport Harbor, also removing old inner breakwater and dredging in Conneaut Harbor, here; adv. E. N.-R. Sept. 25.

Ia., Knoxville—Roads and Walks—Oct. 14, by U. S. Veterans Bureau, 791 Arlington Bldg., Wash., D. C., grading, etc., roads and walks at U. S. Veterans Hospital 57, here.

Arkansas—Road—Oct. 6, by A. R. Losh, dist. engr. Bureau Pub. Rds. U. S. Dept. Agriculture, 322 Boyle Bldg., Little Rock, grading, etc. 2.269 mi. Crystal Springs Silver Natl. Forest Rd., Montgomery Co.

Tex., Galveston—Jetty Repairs—Oct. 22, by U. S. Engineer Office, jetty repairs in Galveston Harbor; adv. E. N.-R. Sept. 25.

Okla., Ft. Sill—Boiler Houses, etc.—Oct. 18, at office Constructing Quartermaster, Ft. Sill, 3 boiler houses and heating plants for Buildings 113, 115 and 123; adv. E. N.-R. Sept. 25.

BIDS RECEIVED

Ia., Knoxville—Septic Tank, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., septic tank, sludge beds, etc., at U. S. Veterans Hospital 57, here, from J. W. Turner Impvt. Co., Des Moines, Ia., $13,400 (120 days). Noted Aug. 28.

CONTRACTS AWARDED

Ala., Mobile—Steel Pontoons—U. S. Engineer Office, furnishing dredging pontoons and discharge pipe, to Canal Steel Wks. Inc., 2126 Poland St., New Orleans, La., $19,283. Noted Aug. 7.

Ky., Louisville—Portland Cement—U. S. Engineer, P. O. Box 72, furnishing 3,000 bbl. Portland cement, delivered to Dam 50, Ohio River, to Kosmos Portland Cement Co., Kosmosdale, $8,790.

Mich., Detroit—Dredging—U. S. Engineer Office, Detroit, dredging Russell Island Shoal, St. Clair River, to Dunbar & Sullivan Dredging Co., 2211 Dime Bank Bldg., $56,244. Noted Aug. 7.

Ill., Waukegan—Trestle Replacement—Spec. 5007—Bureau Yards & Docks, Navy Dept., Wash., D. C., railroad trestle replacement at Naval Training Sta., here, to Waukegan Eng. Constr. Co., 702 Ridgeland Ave. $4,270 (90 days).

Mo., St. Louis—Earthwork—Secretary Mississippi River Comn., 1311 International Life Bldg., 231,000 cu.yd. earthwork in Henderson Co. D. D. 3, Illinois, to LaCrosse Dredging Co., Plymouth Bldg., Minneapolis, Minn., $48,288. Noted Sept. 4.

Unclassified

PROPOSED WORK

Pier — Springfield, Mass. — See "Buildings—Industrial."

Golf Links, etc.—Mt. Union, Pa.—Juniata Valley Country Club plans golf links, 2 story, 90 x 100 ft. stone and concrete clubhouse, boating house, etc. $200,000. W. Gifford & E. H. Walls, stockholders.

Elimination Grade Crossing—Baltimore, Md.—See "Streets and Roads."

Conduit System—Baltimore, Md.—Plans election in November $1,500,000 bonds extending conduit system for electric wires.

Electric Light System—Bules Creek, N. C. — Plans electric light system. Bonds voted.

Resort—Chimney Rock, N. C.—Chimney Rock Mountains, Inc., plans resort incl. extensive highways, trails, clearing 1,500 acres for lake, 100 ft. dam across Rocky Broad River, etc. L. B. Morse, pres.

Signal Alarm—Mobile, Ala.—Plans election $200,000 bonds for fire and police signal alarm system. W. Smith, city engr.

Wharf — Mobile, Ala. — Plans election $35,000 bonds wharf improvements. W. Smith, city engr.

Athletic Field—Cleveland, O.—Bd. Educ. F. G. Hogen dir., plans athletic field for Collinwood High School. $135,300. W. R. McCornack, 6th and St. Clair Bldg., engr.

Park—Madison, Wis.—Common Council, H. C. Buser, clk., plans purchasing tract of land for East Side Park, with all modern equipment and improvements. $25,000. Engineer not selected.

Lighting System—St. Joseph, Mo.—Election Nov. 18, $300,000 bonds electric lighting system. W. K. Seitz, City Hall, and C. E. Smith & Co., Railway Exch. Bldg., St. Louis, engrs.

Distribution System, etc. — St. Louis, Mo.—Laclede Gas Light Co., 11th and Olive Sts., had preliminary plans prepared 42.23 mi. 4, 6 and 12 in. c.i. distribution mains, 66.49 mi. service connection pipes, 21,000 gas meters, etc., $1,185,000; improvement to Sta. B, Howard and Main Sts., relief gas holder, 300,000 cu.ft. capacity, machine for recovery of water gas tar, miscellaneous appliances, $49,000; equipment for producer gas plant on Catalan St., new coke screen, water softening equipment, apparatus for treating and pumping gas, 30 in. main connecting plant to distribution system, $1,137,000; improvements to Sta. A, 146 Rutger St., gas holder, 2,000,000 cu.ft. capacity, 2 new boilers, pumps, screening and storage machinery, etc., $636,000. Private plans.

Pipe Line—Texas—Trans-Continental Oil Co., 1200 Pacific St., Ft. Worth, soon takes bids pipe line from Reagan Fields to connect with line at Ranger. $2,500,000. J. C. McDowell, c/o owner, Benedum Trust Bldg., Pittsburgh, Pa., engr.

Park Improvement—Ft. Worth, Tex.—Making plans beautifying Forrest Park, incl. sidewalks, earthwork, dam in creek, small bridges, etc. $60,000. D. L. Lewis, c/o City Hall, engr.

"White Way"—Durant, Okla. — Election Oct. 7, $50,000 bonds for new ornamental white way street lighting system. L. V. Stinson, Durant, engr.

Street Lighting System—Glendale, Calif. —Made plans street lighting system, 150 two-light standards with cable, wire, etc., $25,000 or more. A. J. Van Wie, city clk.

Tunnel—Glendale, Calif.—Los Angeles Co. Flood Control, Los Angeles, soon takes bids 1.25 mi. R. I. C. tunnel and storm drain in Sect. 3, 15,000 cu.yd. dry excav., $75,000, and alternate bids for 2 mi. R. I. C. tunnel and storm drain to offset Sects. 1, 2 and 3, 33,000 cu.yd. dry excav., near here. $175,000. R. W. Ryan, c/o owner, engr.

Ocean Front Improvements, etc.—Huntington Beach, Calif.—Plans election $75,000 bonds, improving ocean front, walks, parks, etc., also $25,000 bonds for establishing parks.

Auto Speedway — Los Angeles, Calif.— Western Racing Assn., Chapman Bldg., plans bowl auto speedway. $500,000 or more.

Power Development—Los Angeles, Calif. —Southern California Edison Co., 306 West 3rd St., plans power development, incl. 15 reservoirs, 17 power houses to develop about 1,450,000 hp., one 13 mi. tunnel, etc. $200,000,000. Private plans.

Park Improvements — Santa Barbara, Calif. — Plans election $250,000 bonds, park improvements on Ocean front.

Pleasure Lake, etc. — Santa Barbara, Calif. — Plans election $47,000 bonds, pleasure lake and playground.

Power Development—Santa Cruz, Calif. —Making plans developing 3,977 hp. at San Lorenzo River. H. S. Williams, city engr.

Power Development—Jones Falls, Ont.— Hydro Electric Power Comn., University Ave., Toronto, soon takes bids 2,500 hp. development on Rideau Canal, here.

BIDS DESIRED

Riprap—Hadley, Mass.—Oct. 2, by Dept. Pub. Wks., State House, Boston, furnishing and placing about 4,000 tons stone riprap on south bank of Connecticut River, north and west of north end of West St., here. W. F. Williams, comr.

Pier, etc.—Mechanicville, N. Y.—Sept. 30, by R. K. Fuller, comr. Canals & Waterways, Albany, constructing concrete pier and timber booms below Lock 3, Champlain Canal, here, also drilling cores and grouting concrete dam at Delta Reservoir, here; adv. E. N.-R. Sept. 25.

Heating System, Boiler, etc. — Willard, N. Y.—Oct. 8, by State Hospital Comn., Albany, heating system, new boiler, etc., in Willard State Hospital here. S. W. Jones, Albany, state archt.; adv. E. N.-R. Sept. 25.

Wharf Shed — San Francisco, Calif. — Secretary State Harbor Comn., taking bids 1 story, 45 x 660 ft. timber wharf shed, Islais Creek. F. G. White, Ferry Bldg., ch. engr.

BIDS RECEIVED

Bleachers—Roxbury (Boston P. O.), Mass.—Park Dept., grading and concrete bleachers in William Eustia Playground from J. C. Coleman & Sons Co., 1620 Tremont St., $41,545. Noted Sept. 11.

Retaining Wall, etc.—St. Louis, Mo.—Bd. Pub. Serv., 208 City Hall, concrete retaining wall and boat landings in Grand Basin, Forest Park, 1,641 cu.yd. excav., 26,394 cu.ft. concrete, and 39,171 lb. reinforcing from Lay Bros. Constr. Co., c/o Municipal Contractors Assn., Fullerton Bldg., $25,815. Noted Aug. 28.

Ornamental Lighting System—Los Angeles, Calif. — Bd. Pub. Wks., ornamental lighting system in Grand Ave. between southerly line Temple St. and northerly line 5th St., etc., as designated by Grand Ave. and Fourth St. Lighting Dist., from Newberry Electric Corp., 726 South Olive St., $85,797.

Material and Equipment

PROPOSED WORK

Gravel and Sand Grit—Brooklyn, N. Y. —E. Riegelmann, boro pres., Boro Hall, rejected bids Sept. 10, furnishing 4,000 cu.yd. 1½ in. gravel and 1,500 cu.yd. sand grit.

Street Cleaning Equipment—Huntington Beach, Calif.—Plans election $12,000 bonds, to purchase street cleaning equipment.

Street Sweeper, Truck, etc.—Modesto, Calif.—Plans to purchase 1 auto street sweeper, $7,500, 1 pick up motor truck, $3,000, and flusher sprinkler $7,500.

BIDS DESIRED

Hoisting Engines, etc.—Providence, R. I. —D. E. McIntire, Broad St., Boston, Mass., in market for 2 hoisting engines, two 21 s. mixers, concrete tower and chutes, platform elevators, derricks and dumps.

Filler and Paving Blocks—New York, N. Y.—Sept. 29, by J. Miller, pres. Manhattan Boro., Municipal Bldg., 500 tons asphaltic, joint filler, and 200,000 wood paving blocks.

Rails, etc.—New York, N. Y.—Oct. 3, by Bd. Transportation, 49 Lafayette St., special work, rails, frogs, etc. for use in construction Lenox Ave.-148th St. yd.

Rip Rap, etc.—New York, N. Y.—Sept. 30, by J. E. Bowe, comr. Purchase, Municipal Bldg., rip rap to Dept. Plant and Structures; railroad frogs, switches, and rails to Dept. Street Cleaning and Plants & Structures.

Pipe—Belleville, N. J. — Sept. 23, by Bd. Town Comrs., Town Hall., 1,200 ft. 8 in. c.i. Bell and Spigot pipe, etc. A. S. Balnk, town engr.

Gravel—Yazoo City, Miss.—Yazoo Co. taking bids 7,667 tons gravel, f.o.b. Anchorage. H. C. Dietzer, Jackson, engr.

Dragline Bucket—Dallas, Tex.—J. W Bartholow Co., 907½ Commerce St., taking bids dragline bucket, ½ yd. capacity.

Dragline Equipment—Dallas, Tex.—Cliff Sand & Gravel Co., 900 West 8th St., wants to buy or lease by month or yard, dragline outfit complete, 4 months work guaranteed.

Pump—Port Arthur, Tex.—Taking bids 20,000 gal. pump equipped with motor. J. P. Logan, mayor.

Grader and Scarifier—San Antonio, Tex. —Oct. 15, by Auditor Bexar Co., combination grader and scarifier for use in Comrs. Precinct 3. I. Ewig, c/o Courthouse, engr.

Street Sweeper—Monrovia, Calif.—L. P. Black, city clk., in the market for vacuum street sweeper.

Rock Crusher—Sonora, Calif. — F. Mallard, city clk., in market for rock crusher.

BIDS RECEIVED

Ties and Timber—New York, N. Y.—Bd. Transportation, 49 Lafayette St., ties and timber, Order 9, from Robinson Lumber Co., 20 West, 4th St., $110,000. Noted Sept. 18.

Portland Cement—Los Angeles, Calif.— For 25,000 bbl. cement for Sects. 6, 7 and 8 of North Outfall Sewer, from Wilbur-Ellis Co., 300 Avery St., $2.70 per bbl. f.o.b. cars, Los Angeles Harbor.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Oct. 6.

Completing Sewer

Village of Mamaroneck, N. Y.

Proposals for completing sewer on Harbor Island near Disposal Works, will be received by the Board of Trustees of the Village of Mamaroneck, New York, at the Village Rooms, until 8.30 p.m., Daylight Saving Time, on Monday, October 6, 1924 and then publicly opened.

The right is reserved to reject any or all bids or parts of bids, and to accept whatever bid or section of bid, which may in the judgment of the Board of Trustees be most advantageous to the Village and to readvertise the work, or to take any other action relative thereto which may seem to them right and proper.

All plans and specifications may be obtained at the office of J. M. Duffy, Village Engineer, 33 East Post Road, Mamaroneck, New York.

ENGINEER'S ESTIMATE

Item 1 Earth Excavation 275 C. Yds
Item 2. Rock excavation 60 C. Yds.
Item. 3. C. I. Pipe 15.54 Tons.
Item 4. Gravel refill 10 C. Yds.

NOTE. Item 3. (To be furnished by Village.)

CERTIFIED CHECKS

Each bid must be accompanied by a certified check for five (5%) per cent of the amount of the bid, made payable to the Treasurer of the Village of Mamaroneck.

The checks of the unsuccessful bidders will be returned to them immediately upon the awarding of the contract.

In case of failure to sign contract, the certified checks accompanying the accepted bid shall be forfeited to the Village of Mamaroneck.

EXECUTION OF CONTRACT AND BOND

The bidder whose proposal is accepted will be required to enter into a contract within five (5) days thereafter, giving a Surety Company bond acceptable to the Board of Trustees of the Village of Mamaroneck, for an amount equal to fifty (50) per cent of the amount of the bid, and his check will be returned to him upon the signing of the contract.

Dated at Mamaroneck, New York
September 23rd 1924.

FRED T. WILSON,
Village Clerk.

Bids Oct. 10.

Road Improvement

CONTRACT 12, STATE OF NEW YORK
BY WESTCHESTER COUNTY
PARK COMMISSION

Bronxville, N. Y.

Sealed bids will be received by the Westchester County Park Commission until 11.00 A.M. October 10th, 1924 at its office No. 72 West Pondfield Road, Bronxville, N. Y., for the Grading and Improving of the State Parkway from the State Camp Dock to the Bear Mountain Bridge Approach Road at Roa Hook, Peekskill. N. Y., the work covering a distance of 2000 ft. and including a concrete culvert of 12 foot span.

Pamphlets containing information for Bidders, Form of Proposal, Specifications, and Contract Drawings may be obtained by intending bidders at the above address by depositing $5.00. The right is reserved to reject any or all bids.

Westchester County Park Commission.
By JAY DOWNER,
Chief Engineer.
Dated: Bronxville, N. Y. Sept. 19, 1924.

OFFICIAL PROPOSALS

Bids: Oct. 20.

Electric Light, Waterworks and Ice System

Cheneyville, Louisiana.

Sealed proposals will be received by the Mayor and Board of Aldermen of the Village of Cheneyville, Louisiana at their regular meeting place until 10 o'clock A.M., of the 20th day of October, 1924, for the following:

Two Crude oil engines directly connected to Alternators and clutch connected to 500 gallons per minute Underwriters Pump. An 8" Tubular well. 50,000 gallon Concrete reservoir. Elevated Tank and Tower. Cast Iron Pipe Mains. Cast Iron Specials and Valves. Hydrants, Galvanized Pipe and Fittings. House service connections. Water meters. Poles and Pole Line Equipment. Electric House meters. Complete 5 TON ICE MAKING PLANT, Concrete Foundations, Building, etc., etc.

Proposals must be marked:

"Proposals for Light and Waterworks Improvements." The above should appear in RED LETTERS.

All bids must be on blank forms provided in the specifications.

Each bid must be accompanied by a certified Cashier's check (Bidder's bond will not be accepted), in amount of 7% of the amount of the bid. No amount less than $75.00 will be received, this amount must be deposited as evidence of good faith.

Plans and specifications will be on file at the office of the Village Clerk at Cheneyville, Louisiana, and at the office of the Engnieer at Glenmora, Louisiana.

Copies of the Specifications, plans and form of proposals, etc., may be obtained from the Engineer, F. P. Joseph, Glenmora, La., by remitting $5.00 which amount shall apply to cover the cost of same and is not refundable.

The right is reserved to reject any and all bids, waive any and all formalities and technicalities or to accept any bid or bids which in the opinion of the Board of Aldermen will best serve the interests of the Municipality.

ROBERT DESELLE, Mayor.
J. B. EVERITT, Clerk.

F. P. JOSEPH,
Consulting Engineer,
Glenmora, La.

Bids: Sept. 30.

Sewage Disposal Works

Ridgewood, N. J.

Sealed proposals will be received at the office of the Commissioners of the Village of Ridgewood until 8 o'clock P.M., on September 30th, 1924, at which time they will be publicly opened and read, for the construction of a Sewage Disposal Works.

Plans, specifications, proposal, contract forms and all other information may be seen at the office of the Engineer at the above address. Copies of the same can be obtained upon deposit of the sum of ten dollars ($10.00), which deposit will be refunded upon the return of plans and specifications in good order.

Commissioners of the Village of Ridgewood.
By WILBUR MORRIS,
Village Clerk.
Dated, September 11, 1924.

OFFICIAL PROPOSALS

Bids: Oct. 2.

Bridge

STATE HIGHWAY COMMISSION

Richmond, Va., Sept. 18th, 1924.

Sealed bids will be received at the Office of the State Highway Commission, State Office Bldg., Capitol Square, Richmond, Va., until 10:30 A.M. Thursday, October 2nd, 1924, for the construction of:

ROUTE 251, PROJECT S390: Reinforced Conc. beam span (3—30′ & 2—25′) Bridge over Pimmetts Run, 5 miles from Washington, D. C., in Arlington County, Va. Approx. 52,215 lbs. reinf. steel and 325 Cu.Yds. "A" Concrete.

Proposal guaranty to be certified check, cishier's check or certificate of deposit to the amount of $500 for bids less than $100,000, and $1,000 for bids more than $100,000. Proposal bonds 20% in excess of above amount may be used.

Plans and specifications are on file at the Richmond Office, State Highway Department, and at the office of the District Engineer in Culpeper.

Additional plans for bidders can be secured from W. F. Hobart, 805½ E. Franklin St., Richmond, Va. for 72c.

An Engineer will be at the Continental Hotel, opposite Union Station, Washington, D. C., Thursday, 11 A.M. Sept. 25th., to show contractors over the work.

The State Highway Commission reserves the right to reject any or all bids.

H. G. SHIRLEY,
Chairman.

C. S. MULLEN,
Chief Engineer.

Bids: Sept. 30.

Highway Work

Harrisburg, Pa.

Pennsylvania Department of Highways, Harrisburg, Pennsylvania. Bids will be received September 30, 1924, for construction of six projects, totaling seventeen miles, construction to be reinforced concrete. Projects situated in the following counties:

Allegheny
Armstrong
Bedford
Bradford
Indiana
Tioga
Washington

Full particulars upon application to P. D. Wright, Secretary of Highways, Harrisburg, Pennsylvania.

Bids: Oct. 3.

Road Construction

Mt. Carroll, Ill.

NOTICE is hereby given that sealed bids will be received until 2:00 o'clock P.M., Friday, October 3rd, 1924, by Carroll County, Illinois, in the office of the County Superintendent of Highways in the City of Mt. Carroll, Illinois, for the construction of approximately 1 mile of waterbound macadam roadway 14 ft. in width under Illinois State specifications. The work will require the use of 1,738 cu.yd. of macadam; 4,170 cu.yd. excavation; 2,126 cu.yd. reinforced concrete and 7,817 sq.yd. earth shoulders. Plans and specifications are on file in the office of the County Clerk at Mt. Carroll, Illinois.

S. C. CAMPBELL,
Co. Supt. of Highways.